

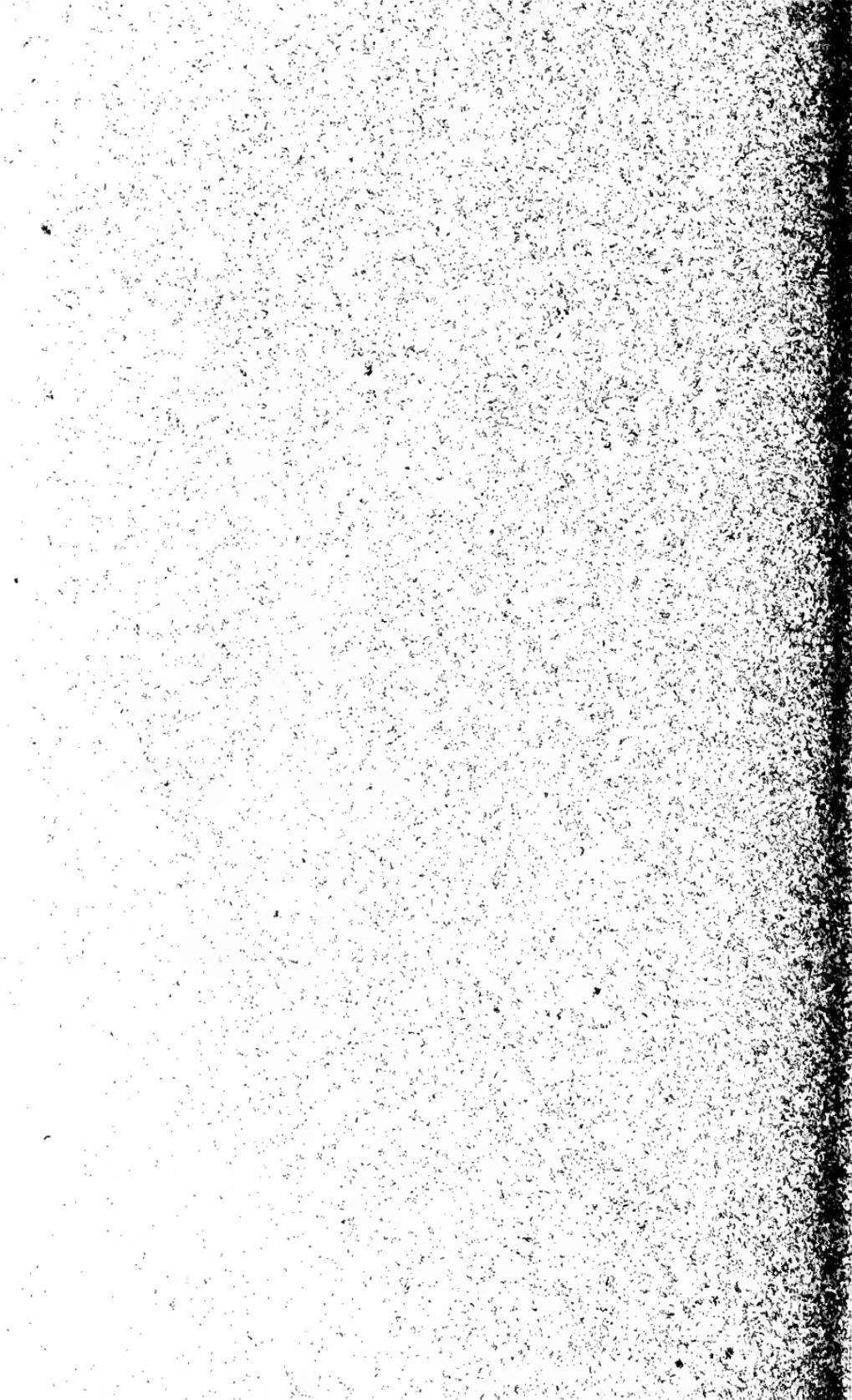






North Georgia  
Agricultural  
College

1905-1906.



Thirty-fourth Annual Catalogue

OF THE

North Georgia  
Agricultural College

(Department of the University of Georgia)

AT

DAHLONEGA, GEORGIA

CHARTERED A. D. 1871

The First Normal College Course Authorized by the State  
(Act of 1877)

1905-1906



## CALENDAR.

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Fall Term begins Sept. 5th, 1906.

Fall Term ends Jan. 31st, 1907.

Spring Term begins Feb. 1st, 1907.

Commencement Exercises June 2nd to 5th, 1907.

## BOARD OF TRUSTEES.

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WM. P. PRICE, President	....	....	....	Dahlonega.
DR. N. F. HOWARD, Vice-President	....	....	....	Dahlonega.
W. J. WORLEY, Secretary	....	....	....	Dahlonega.
H. D. GURLEY, Treasurer	....	....	....	Dahlonega.
F. Carter Tate	....	....	....	Jasper.
R. H. Baker	....	....	....	Dahlonega.
Joseph M. Brown	....	....	....	Atlanta.
W. F. Crusselle	....	....	....	Atlanta.
Wm. A. Charters	....	....	....	Dahlonega.
W. E. Candler	....	....	....	Blairsville.
E. E. Crisson	....	....	....	Dahlonega.
R. C. Meaders	....	....	....	Dahlonega.
B. R. Meaders	....	....	....	Dahlonega.
G. McGuire	....	....	....	Dahlonega.
J. F. Moore	....	....	....	Dahlonega.
Henry H. Perry	....	....	....	Gainesville.
A. Rudolph*	....	....	....	Gainesville.
Frank P. Rice	....	....	....	Atlanta.
J. E. Redwine	....	....	....	Gainesville.
Dr. H. C. Whelchel	....	....	....	Douglas.
O. J. Lilly	....	....	....	Dahlonega.
C. J. Wellborn	....	....	....	Blairsville.

\*Deceased.

## FACULTY AND OFFICERS.

(In Order of Official Seniority.)

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1906-1907.

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DAVID C. BARROW, C. & M. E.,  
*Acting Chancellor of the University.*

GUSTAVUS R. GLENN, A. M., LL. D., President,  
*Professor of Philosophy.*

BENJAMIN P. GAILLARD, A. M., Vice-President,  
*Professor of Chemistry, Physics, Geology.*

E. B. VICKERY, A. M., Secretary,  
*Professor of Ancient Languages and Literature.*

J. W. BOYD, A. M.,  
*Professor of Mathematics and Astronomy.*

JOSIE W. CLARKE, B. L.,  
*Assistant Professor of English.*

CARL W. STEED, A. M.,  
*Professor of English.*

J. C. BARNES, B. S.,  
*Associate in Mathematics.*

C. W. DAVIS, B. S., M. S. A.,  
*Professor of Agriculture and Biology.*

B. J. FERGUSON, B. A.,  
*Professor of Business Science.*

MISS MARY MERRITT,  
*Instructor in French and Drawing.*

JOSEPH F. O'BYRNE, E. and M. E.,  
*Professor of Electrical and Mining Engineering.*

E. J. WILLIAMS, Captain 5th Infantry, U. S. A.,  
*Commandant of Cadets.*

MISS LEE ANNA WORLEY,  
*Librarian.*

M. D. HEAD, M. D.,  
*Surgeon.*



## GENERAL INFORMATION.

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### ORIGIN AND PURPOSE OF THE COLLEGE.

This College owes its origin to the Act of Congress of July 2, 1862, entitled "An Act donating public lands to the several States and Territories which may provide colleges for the benefit of agriculture and the mechanic arts." The Act contemplates the "endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts in such manner as the legislature of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes."

The fund having been received by the State, the interest of it was placed under the control of the Trustees of the University for the purpose of the Act. The North Georgia Agricultural College, having been incorporated in 1871, received from the United States Government, in pursuance of an Act of Congress passed in that year, a donation of a building at Dahlonega, known as the United States Branch Mint, with ten acres of land connected therewith.

A contract was then made with the Trustees of the University by which the North Georgia Agricultural College became a department of the University, the title of the above property being conveyed to the Trustees of the University on the conditions specified in the donation, the Trustees of the University appointing the President of the College, making a certain allowance for its support, to wit: \$2,000 annually, and exercising over it a general supervision.

### BUILDINGS AND GROUNDS.

The college has forty acres of beautifully situated and valuable land—ten acres originally granted by the United States government, to which thirty acres have since been added—affording ample space for all military exercises and agricultural experiments.

The main building has twelve recitation-rooms and offices, the chapel, armory, and society halls, and is well equipped with modern furniture and apparatus. The departments of English, History, Mathematics, Ancient Languages, Agriculture and Biology, and Commerce are located in this building.

In 1900 Bostwick Hall, the gift of Mr. J. H. Bostwick, of New

York, was completed. The upper story of this building is devoted entirely to Chemistry, Physics, and Agriculture. Each of these departments has a well-equipped laboratory with individual desks for the students, and, as the program shows, every student in these departments is required to do from five to ten hours a week laboratory work. The lower floor is devoted to the President's office and lecture room, and to the libraries and reading-rooms.

In addition to the two brick buildings devoted to departments of instruction, there is a dormitory building that will accommodate forty students.

#### **THE CHARLES M'DONALD BROWN FUND.**

From the Charles McDonald Brown Scholarship Fund the institution gets \$1150.00 annually. This is to aid worthy young men who are unable to pay their way through college. The applicant must be at least eighteen years of age, in good health, and must reside in one of the following counties: Rabun, Habersham, Towns, Union, Fannin, Dawson, Murray, White, Lumpkin, Gilmer, Pickens, Cherokee and Forsyth in Georgia, and Oconee, Anderson and Pickens in South Carolina.

#### **WHAT A DISTINGUISHED GEORGIA BISHOP SAID OF THE WORK DONE AT DAHLONEGA.**

Bishop Pierce visited the N. G. A. C. in 1877. In a letter to the Christian Advocate he made the following comments about the work done at this College.

Col. Lewis, the venerable president at that time did a remarkable work for the Institution, and his memory is revered by all who knew him at Dahlonega.

"I attended and was delighted with the exhibition. As a great many people in the state (doubtless like myself) have very imperfect ideas of the importance of this enterprise, I feel bound to say a word in its behalf. My former countryman and old-time friend, Col. D. W. Lewis, is the President. He is doing a great and good work. The whole community honors his Christian character, and official capacity and fidelity—the boys and girls are devoted to him. His influence is stimulating, refining; and no man in Georgia has a more promising field for usefulness than he. The College is well located and reaches a section and a class beyond the range of any other institution in the state. It has been a quickening impulse to the mountain people. It has carried the light of knowledge to many obscure families, utterly hopeless before, of such privileges. Young men whose circumstances doomed them to mental darkness, and the dullest, roughest toil, have come out of their obscurity, and are struggling manfully for an education. I heard several of them speak with a thrill of delight. The diamond is yet in the rough but the

lapidary is at work, and the power to flash is there. The contributions from these hills will enrich the pulpit and the bar ere long. The Institution needs, deserves and ought to have the fostering care of the Legislature and the State University. Its means ought to be enlarged. I hope the Trustees at Athens will double the appropriation to this important adjunct to the University. As I cannot attend the session, I have written recommending this, and if present would urge it earnestly. I hope the College at Dahlonega will get speedy help, and enough of it to enable her to fulfill her grand mission."

"The contributions from these hills" have not only enriched "the pulpit and the bar," but they have enriched the qualities of leadership in many honorable pursuits. Many "captains of industry" in Agriculture and the Mechanic Arts have laid the foundations of success in thoughtful hours of study under the shadow of these hills. The lapidary is still at work and the power to flash is still here.

#### **LOCATION.**

Dahlonega is in many respects an ideal location for a school. The town is situated on an elevated plateau at the foot-hills of the Blue Ridge and is about 1600 hundred feet above the sea level. This plateau is almost surrounded by mountains and the air is thus kept dry winter and summer. The climate is invigorating and all the surroundings are pleasant. There are no barrooms allowed in Lumpkin county and evil influences as far as possible are kept away from Dahlonega. The student body is thus protected from many bad associations to be found in other localities. The over shadowing presence of the "everlasting hills" is a silent, but none the less potential influence over the lives of young people that nobody has ever yet clearly explained. Boys, with vigorous brains, dream of large things in the mountains.

#### **THE COLLEGE LIBRARY.**

The students have the use of a carefully selected library under the general supervision of a committee from the faculty, with a librarian regularly in charge. Nearly all the books have been chosen specially for the students, and new purchases are made twice a year from a fund appropriated for this purpose. A liberal selection of the best current literature, and the leading daily papers of the State are available to students in the reading room. A complete card catalogue and an index to periodical literature enable students to use the books and bound volumes of magazines to the greatest advantage. The library is also a depository for the publications of the United States government. Specially chosen depart-

ment libraries are being accumulated for the use of students in parallel reading and investigation.

### THE DORMITORIES.

The Trustees have leased the Club House of the Consolidated Company for a dormitory, and have furnished the same. The building is the best constructed in town and will provide for sixty students. The dormitory on the College grounds will accommodate fifty students. Each dormitory will be under the immediate supervision of a resident member of the Faculty, thus securing a personal attention to the needs of students that can be brought about satisfactorily in no other manner.

The system of discipline employed in the dormitories will be, as it is throughout the College, military in its nature, but so arranged as to give to each student all the liberty warranted by continued good conduct and high class standing.

Only bona fide boarding students who are not able to make more economical arrangements elsewhere are required to live in the dormitories.

Students will furnish toilet articles, bed-clothing and pillow. Board will be \$10.00 per month, payable in advance. This will include electric lights and fuel.

The general control of the dormitories is vested in the President and Faculty, who will make and enforce such rules as may appear necessary to secure the best results.

A list of approved boarding-houses is kept by the President, but no student will occupy such a room until the choice is approved by the President; no student will change his room until approved by the President, and the President may require a student to change his room.

### EXPENSES.

Incidental fee (per year) . . . . .	\$ 10.00
Books and Stationary (per year) . . . . .	15.00
Washing about (per year) . . . . .	10.00
Library fee (per year) . . . . .	2.00
Dormitory board about (per year) . . . . .	100.00
Uniform and gloves about (per year) . . . . .	17.00
Typewriting fee (per year) . . . . .	6.00
Chemistry fee (per year) . . . . .	4.00
Physics fee (per year) . . . . .	4.00
Biological fee (per year) . . . . .	2.00
Quantitative Chemistry fee (per year) . . . . .	6.00
Soil Physics fee (per year) . . . . .	2.00
Preakage deposit (per term) . . . . .	1.00

Students entering College January 3rd, or at the beginning of the Spring Term are required to pay only a proportional part of the above mentioned expenses.

Annual expenses are made as economical as possible, and will run from \$150.00 to \$175.00. When students bring their supplies from home, expenses can be reduced to an amount not exceeding \$80.00.

The expenses of the first month of the term include nearly all but the monthly board and washing, and amount to nearly \$50.00. In order that a student shall start promptly and efficiently in his class, provision should be made for this.

A student bringing the credit of one of his county school commission in, representative, or senator, will be allowed a credit of \$2.50 on his incidental fee, for the term for which he is appointed, thus making matriculation fee \$2.50 per term.

The estimate does not include traveling expenses to and from College. Stage fare from Gainesville to Dahlonega is \$1.50 for each person and 50 cents for each trunk. Pocket-money depends on individual wishes, but should be moderate.

The special fees are charged only those who take a particular subject and are intended to merely cover the cost of material.

Dormitory boarders should bring the necessary toilet articles, bed-clothing, sheets, pillow and pillow-eases.

Board can be obtained from private families at from \$12.50 to \$15.00 per month, which will increase the cost from \$25.00 to \$50.00 per year.

Some expenses which cannot be foreseen will necessarily occur, but parents and students can feel assured that so far as the College is concerned, everything will be managed on the most economical basis.

This is not a place to spend much money. Parents should not allow over fifty cents a week for pocket-money, and twenty-five cents a week ought to be sufficient. Nor should they pay bills for other than college expenses made by a minor without a written order from them authorizing the same. Citizens are notified not to credit students without permission of parent or guardian.

#### LITERARY SOCIETIES.

There are three literary societies in the College, one for the girls and two for the boys. These societies furnish unexcelled opportunities to the students who wish to develop and improve themselves in Elocution, Composition, and Debate.

Strict observance of the By-Laws and Constitution is obligatory

on all active members. The new members especially are encouraged to take part in the discussion.

There is no part of a college course more valuable than the training derived from taking an active part in a good literary society. It is here that one learns to think and to speak while standing and to grapple with his antagonist in a mental contest.

#### **GENERAL INFORMATION.**

Students, on arriving, must immediately report at the dormitories and must at once consult the President about arrangements for board and for directions about registration.

The discipline of the College is under the immediate direction of the Commandant of Cadets. Serious offenses against good order are passed upon by the entire Faculty.

A College Young Men's Christian Association is organized and conducts religious services once a week.

The Fall Term begins always on the first Wednesday in September and the Spring Term usually ends the first Wednesday in June.

During the last session we had students from about seventy counties in Georgia. Almost without exception students who spend a year here are greatly improved in health. We have "plain living" and "high thinking" in the mountains. We encourage Athletic Sports; but do not allow them to conflict with a student's academic work.

The average age of a male student is over eighteen years, and a large majority are young men defraying their own expenses. This is not the school for idleness and frivolity, for fun and dissipation; but manly sports, innocent pleasures, regular physical training for all, hard study and excellence in character are the requisites for all who remain here.

Students who have over ten demerits during a month, unexcused absences, or special violations of discipline will be required to perform extra duty, which will be instructive in its nature.

#### **COURSES OF STUDY.**

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##### **PHILOSOPHY.**

##### **THE PRESIDENT.**

##### **Junior.**

1. Logic.
2. Psychology.—James (Briefer Course). Laboratory work on

the structure and functions of the brain and sense organs, and the phenomena of sensation.

**Senior.**

3. History of Philosophy.
4. Ethics.

**PEDAGOGY.**

**THE PRESIDENT.**

**Sub-Freshman—"A" Class.**

1. Page's Theory and Practice, Georgia Syllabus, Roark's Methods, Observations in Model School.

**Freshman.**

2. Painter's History of Education. Required Theses. Model School observations and study of methods.

**Sophomore.**

3. Philosophy of Education. Lectures on School Supervision and Law.

Model School observations and practice, with study of methods.

**Graduate.**

4. Philosophy of School Government. Philosophy course, 1, 2, 4; Practice in Model School.

**DEPARTMENT OF SCIENCE.**

PROF. B. P. GAILLARD. PROF. C. W. DAVIS, PROF. J. C. BARNES

The course pursued in the sciences of geology, physics and chemistry, is designed to enable the student to know scientific facts and to grasp scientific principles, to acquire skill in handling and adjustment of apparatus, to awaken the scientific spirit and teach scientific methods, to cultivate a love for investigation and gain a store of facts that can be applied to the practical affairs of life.

**B Class.**

1. Elementary Physics; Geography (Frye), with original investigation, modeling and drawing; read Fairy Land of Science; extra work in Georgia Syllabus. Completed March 15. Elementary Botany.

**A Class.**

2. Elementary Chemistry; Physical Geography (Tarr); excursions, collections of materials for cabinets.

3. Physiology (Blaisdell), with use of charts and biological laboratory; lectures.

**Freshman.**

2. Zoölogy.

5 Potany and Plant Analysis; with special reference to agriculture.

Use of microscopes, dissections, lectures and demonstrations.

**Sophomore.**

6. General Chemistry; Chemical Experiments; Voorhees' Elements of Agriculture. Full laboratory work required of every student. The course is designed to give a good working knowledge of thirty to forty elements and the handling of apparatus. In addition to general demonstrations, the pupils do laboratory work. The laboratories are good and are fully equipped for twenty students.

7. Qualitative Analysis for B. S. and Agricultural students. This course has its foundation in the previous course, and aims to make the work a practical study, and one full of interest and utility.

**Junior.**

8. Gage's Principles and Physical Experiments, with not less than four hours a week laboratory work; Quantitative Analysis for B. S. students. Physics of Agriculture. Landscape Gardening.

**Senior.**

9. Geology, with study of minerals and geology of this section; Physics of Agriculture.

Students pay \$2.00 laboratory fee to cover cost of materials used, and deposit \$1.00 to cover breakage. The fee for Quantitative Analysis is \$3.00, and \$1.00 to cover breakage; amount above value of what is broken is returned.

**DEPARTMENT OF MATHEMATICS.**

PROF. J. W. BOYD AND PROF. J. C. BARNES.

The objects of the teachings in this department are:

First—the full and harmonious development of the reasoning faculties that the man may perform his life work with the best possible results for himself and his fellow man.

Second—to reveal to the students the moral worth of this science in developing habits of promptness, accuracy and decision, and in discriminating between truth and error. The deductions of this science are absolute and incontrovertible. This knowledge gives sound conviction, stability of character and conscious power.

Third—to set forth the utility of the science in its practical application to the great industrial enterprises of our country. The successful captains of industry are men who must know with mathematical certainty the structural value of stone, wood and iron. They do not guess; they must know. In order to know

absolutely they must be trained with mathematical certainty.

We therefore stress particularly the practical application of the science to industrial arts.

**Sub-Freshman—B Class.**

1. Arithmetic Completed—Five hours per week until March 15th. Text book, Milne's.

2. Elements of Algebra—Five hours per week after March 15th. Text book, Wentworth's Elements.

**Sub-Freshman—A Class.**

1. Elements of Algebra—Five hours per week until February 1st. Review of first principles. Chapters VIII to XV inclusive. Text-book, Wentworth's Elements.

2. Plane Geometry—Five hours per week until June. Books I to IV inclusive. Text-book, Wentworth's Plane and Solid. (Revised.)

**Freshman Class.**

1. Algebra—Review of Fundamental operations, Factors, Fractions, Simple Equations, Simultaneous Equations, Involution, Evolution, Radicals, Exponents, Quadratic Equations, Simultaneous Quadratics, Radical Equations, Surds and Imaginaries, Ratio and Proportion, Arithmetical and Geometrical Progression, Binomial Theorem, Logarithms. Five hours per week until February 1st. Text-book, Wentworth's College Algebra.

2. Geometry—Five hours per week until June. Books IV to IX, inclusive. Text-book Wentworth's Plane and Solid Geometry.

**Sophomore Class.**

1. Algebra—Interest and Annuities, Choice, Chance, Continued Fractions, Variables and Limits, Series, Interpolation, Determinants, General Properties of Equations. Five hours per week until November 15th.

2. Plane Trigonometry—Trigonometric Functions, the Right Triangles, Goniometry, the Oblique Triangle, Construction of Tables.

3. Spherical Trigonometry—The Right Spherical Triangle, the Oblique Spherical Triangle, Application to Astronomy.

4. Surveying Instruments and their uses, Land Surveying, Rectangular Surveying, Platting, Plane Table Surveying, Triangulation.

5. Levelling—Levelling for Section, Topographical Levelling, Railroad Surveying. Text-book, Wentworth's New Plane and Spherical Trigonometry, Surveying and Levelling.

**Junior Class.**

1. Analytic Geometry—Loci and their equations. Rectilinear System of co-ordinates. The straight line, the circle, different systems of co-ordinates. The Parabola, the Ellipse, the Hyperbola;

Loci of the Second Order, Higher Plane curves. Solid Geometry. Five hours per week until February 1st. Text-book, Wentworth's.

2. Differential and Integral Calculus—Quantities, Functions, Fundamental Principles, Differentiation, Limits, Analytical and Geometric Applications. Successive Differentiation, Integral calculus Type forms, Rational and Irrational Fractions, Trigonometric Integrals, Geometric and Mechanical Applications. Five hours per week. Text-book, Nichols.

#### **Senior Class.**

1. Astronomy five hours per week until the first of February. Text-book, Manual of Astronomy—Young.

2. Mechanics—Five hours per week until June. Definitions, Composition and Resolution of Forces, Center of Gravity and Stability, Elementary Mechanics, Kinetics, Centrifugal force. Work and Energy. Mechanics of Liquids, Mechanics of Gases and Vapors, Hydraulic and Pneumatic machines. Text-book, Analytical Mechanics—W. G. Peck.

#### **DEPARTMENT OF ENGLISH.**

PROF. CARL W. STEED AND MISS JOSIE W. CLARKE.

"Correctness in the use of language, and in a use that shall be fluent, is aim enough for one school along this line. From beginning to end the grammar school needs to devote itself to its attainment by daily practice in reading, in speaking, in composing, until ease and accuracy be won."

"Let us hope that the study of English literature will some time awake to its high calling; that its teachers will desire the restoration of the aim of taste; and that its students will come to know what it is to read fine books for the love of them."

#### **Sub-Freshman—B Class.**

1. English Grammar, The Mother Tongue II (Kittredge and Arnold). Selected reading from American Literature. Written work, two hours a week.

#### **Sub-Freshman—A Class.**

2. English Grammar (Text to be selected). Elements of English Composition (Gardiner, Kittredge, and Arnold). Selected Reading.

#### **Freshman Class.**

3. Rhetoric in Practice (Seward and Newcomer). Poets of the South (Painter). Masterpieces of American Literature.

#### **Sophomore Class.**

4. **First Term.**—American Literature (Abernathy). Study of American Masterpieces.

**Second Term.—Elementary Guide to Literary Criticism (Painter). Masterpieces of English Literature.**

This brief course in the study of English masterpieces is given here in order that students taking courses that close with this class may have an introduction, at least, to the literature of England.

**Junior Class.**

5. The History of English Literature (Text to be selected). The work in this course will be the reading of, rather than about, the literature of the great periods. Only representative authors of each period will be studied, in order that enough of their writings may be read to get their real contribution to the literature of England. No author will be studied merely as a figure in the history of the literature.

Written reports on assigned reading will be made the basis of regular work in composition.

**Senior Class.**

6. Elements of Literary Criticism (Johnson), with copious readings from authors quoted in illustration of principles. Critical reports on assigned readings in application of the principles discussed.

The class will make special studies of Chaucer, Shakespeare, and the Nineteenth Century Romanticists, reading such essays as discuss these poets and their times. The rhetorical work of the class will be done in a course of weekly themes based upon weekly talks on the principles of literary composition, and copious illustrative readings, with informal comment and discussion by instructor and students.

A department library is being accumulated in order to afford students free access to the material of their study, in all the classes of the department. In the lower classes, the assigned readings of the hero stories of American and Georgia history will be correlated with the composition work in English.

**DEPARTMENT OF HISTORY AND ECONOMICS.**

**PROF. STEED, PROF. BARNES, AND MISS MERRITT.**

"It is precisely in this debatable ground of low motives and noble emotions; in the struggle, ever failing yet ever renewed, to carry truth and justice into the administration of human society; in the establishment of states and in the overthrow of tyrannies; in the rise and fall of creeds; in the world of ideas; in the character and deeds of the great actors in the drama of life, where good and evil fight out their everlasting battle, now ranged in opposite camps, now and more often in the heart, both of them of each

living man—that the true human interest of history resides."

"The plan is to take the Sub-Freshman student and reduce his usually unorganized knowledge of the text-book facts in American history to logical sequence, stressing pivotal matter by class-room use of a book like "Elson's Sidelights on American History." The library is used mainly for inspirational studies in biography. This feature of the course is correlated with the composition work of the course in English.

A similar plan is followed, the second year, in the civil government of the United States and of Georgia, the hero stories of Georgia being used in connection with the civic history of the state.

In the second half of this year, the history of Greece and the Orient is read, with as much parallel reading of the classic legends and myths as is possible.

Up to this point the work in history is intended to be primarily informational.

In the Freshman class the student goes on with a study of Rome and Western Europe, making frequent use of the more interesting sources of medieval history, and stressing the great movements, intellectual, religious and political.

The Sophomore year is given to the study of English history, with parallel study of the French Revolution and the Napoleonic period in Europe.

The Junior class studies the political history of the United States; and the Seniors read Political Science and Economics.

1. **B Class.**—United States History (Text to be selected), with Sidelights on American History I (Elson).

2. **A Class.**—Fall term. Civil Government of the United States (Thorpe), and of Georgia (McPherson), with Stories from Georgia History (Chappell).

Spring term, Greece and the Orient (Text to be selected).

3. **Freshman Class.**—Fall Term, Rome (Myers). Spring Term, History of Western Europe (Robinson).

4. **Sophomore Class.**—History of England (Cheyney).

5. **Junior Class.**—Political History of the United States (Elson), to 1829; Division and Reunion (Wilson).

6. **Senior Class.**—The State (Wilson); Economics (Text to be selected).

#### DEPARTMENT OF LATIN AND GREEK.

PROF. E. B. VICKERY, A. M.

The course of study prescribed in Latin and Greek is, in the main, the one adopted by the leading colleges of the country. This

course has for its object not only the training of the students in the idioms and forms of expression of the ancient languages, but also to furnish the student with the body of thought contained in the literature of the Latin and Greek authors.

As the fountain source of a large proportion of the words in our own tongue the ancient languages must always be studied. In addition to this the cultured man must also be familiar with the philosophy of life and the progress of civilization and literary culture developed by these ancient authors.

The ends aimed at in this department, therefore, are mental discipline, love of literature, the best ethical ideals, and the most approved form of literary expression.

**B Class.**—Five Hours per Week.

Collar and Daniell's First Year Latin completed during the year.

**A Class.**—Five Hours per Week.

First Term—Cæsar's Gallic War (Books I, II, and III); Composition based upon the text (Moulton and Collar.)

Second Term—Cicero's Orations against Catiline; Composition (Moulton and Collar.)

**Freshman.**—Five Hours per Week.

First Term—Ovid (Selections).

Second Term—Virgil's *Æneid* (three books); Scanning.

**Sophomore.**—Five Hours per Week.

First Term—First Book of Livy.

Second Term—Selections from Odes, Satires, and Epistles of Horace; Scanning.

**Junior.**—Five Hours per Week.

First Term—*De Amicitia* of Cicero.

Second Term—Satires of Juvenal.

**Senior.**—Two Hours per Week.

First Term—The *Adelphi* of Terence.

Second Term—The *Germania* of Tacitus.

Exercises in translating connected English into Latin and sight reading will be given throughout the courses.

Allen and Greenough's Latin Grammar is used throughout the course. All of the foregoing course, or its equivalent, is required of A. B. students.

## DEPARTMENT OF GREEK.

PROF. VICKERY.

**A Class.**—Five Hours per Week.

First Greek Book completed; selections from Xenophon's *Anabasis* (Book I.).

**Freshman.**—Five Hours per Week.

First Term—Xenophon's *Anabasis*; Composition.

Second Term—Homer's *Iliad* (Books I-III); Scanning.

**Sophomore.**—Five Hours per Week.

First Term—Herodotus.

Second Term—New Testament and Homer; Literature (Jebb's).

**Junior.**—Optional, Two and One-half Hours per Week.

First Term—Demosthenes (*Philippiques* I and II).

Second Term—Antigone of Sophocles.

**Senior.**—Optional, Two Hours per Week.

Plato's *Apology*.

Exercises in translating English into Greek and sight translation from Greek into English will be required of all classes.

Goodwin's Greek Grammar will be used during the course.

The foregoing course is required of all candidates for the A. B. degree.

**DEPARTMENT OF AGRICULTURE.**

PROF CHARLES W. DAVIS.

The college farm, consisting of about thirty acres adjoining the college campus, is in cultivation under the direction of the Professor of Agriculture. Students thus have an opportunity to see daily the work of the farm and orchard going on about them. Labor is not compulsory, but students in the agricultural course are given work that is educational and parallel with their studies.

The interest of the State Legislature in providing an increased appropriation for this department, enabled us to add valuable equipments to the farm and laboratories. A number of thoroughbred animals, such as cattle, sheep, hogs and poultry will be purchased soon. The Soil Physics Laboratory has just been installed with new desks, soil-bins, motor, shaker, centrifuge and complete apparatus for the mechanical and chemical analysis of soils. It has accommodations for twenty-five students.

In addition to the work here at college, steps are being taken to aid the farmers of this section. In coöperation with the U. S. Department of Agriculture a number of sub-stations for experimental purposes are being established in North Georgia. A number of farmers have already manifested an interest in the work. We believe the only way to benefit the majority of farmers is to devise some means of coming in contact with them. We therefore employ this method of carrying on this part of our work. One of the graduates of this department will be employed as Field Agent, devoting his whole time to the work.

Small nurseries of new and established varieties of fruit trees will be established at the various sub-stations for free distribution to interested parties.

The object of the course in this department is to fit young men to manage farms or to become workers in experiment stations or other situations where a knowledge of the sciences in their applications to agriculture is required.

In order to meet the necessities of all young men, who desire instructions in Agriculture, the College offers three distinct courses:

The four years' course which leads to the degree of Bachelor of Science in Agriculture is designed to give a training that is thoroughly practical as well as scientific in agriculture and its various branches. The greater portion of the work in agriculture is done in the last two years of the course, after a good foundation is laid by the study of the Natural Sciences.

The two years' course is equivalent to the first two years of the four years' course, except that in the second year additional work in Agriculture and Horticulture is substituted for the English and modern language of the Sophomore year. Those who complete this work will be given certificates.

#### WINTER COURSE IN AGRICULTURE.

To meet the needs of men of mature years, who are busy on the farm the greater portion of the year, and for the benefit of those young men who desire to become better farmers, and who feel that they cannot take one of the regular courses in Agriculture, a short course has been arranged, beginning the first Monday in January and closing on the second Friday in March.

Instruction is given by such methods as seem best adapted to the subjects taught, including lectures, laboratory work and study of text-books or other literature. This work is placed in practical form as far as possible. The purpose is to make the methods direct and practical in the attempt to give the students a sufficient knowledge of the subjects for the ordinary uses of farm life. The attractive features of the farm home and the farm life are brought out and developed; the great possibilities of employing all the highest energies and talents in the successful pursuit of this occupation is shown to the students.

For admission to this course no examination is required, but to get the most benefit from it, one should at least have completed the work of the common district school.

The only expenses will be for board and about \$5.00 for books.

## FOUR YEARS' COURSE.

### Freshman.

**Elementary Agriculture.**—This course is intended to show the relation of the natural sciences to agriculture and to explain how these facts may be applied. The work is designed to give young men who remain at college but a short time an idea of the importance and value of agricultural pursuits.

**Farm Crops.**—This is a study of the conditions of germination and growth and the circumstances modifying these conditions; the selection of crops, the system of rotation best adapted to the State; summer fallow; and the management of meadows and pastures. The student makes observations, on the farm, on the habits of growth of the different farm crops.

### Sophomore.

**Soils.**—The origin, composition and physical and chemical properties of soils receive attention; different methods of treatment are examined, and the influence of these methods upon moisture, texture, fertility and production.

**Breeds and Breeding.**—The object of this course is to show the zoölogical relation of our domestic animals to the rest of the animal kingdom, emphasizing the principles illustrated in their development into specialized animals; study of the different breeds of horses, cattle, sheep and swine, for the purpose of learning their qualities, character, and adaptabilities.

### Junior.

**Grasses and Forage Crops.**—Students will be required to make themselves familiar with all the varieties of grasses and forage crops grown in the grass garden.

**Stock Feeding.**—This is a study of the principles underlying the profitable feeding of animals; the composition of plants, animals and animal products. A critical study is made of results of feeding at various experiment stations.

**General Horticulture and Economic Entomology.**—Insect pests and plant diseases of orchard and garden, together with remedies for each, are thoroughly discussed. Other phases of the work are orchard management, cultivation, tree planting, pruning, location of orchards, and desirable varieties to be planted.

**Pomology and Orchard Management.**—The preparation of soils, laying out and planting of orchards, vineyards and small fruits; cultivation and fertilization; mulching and irrigation, pruning and thinning; harvesting, packing, storing and marketing, classification of varieties, their nomenclature and merits.

**Propagation and Care of Plants.**—A study of the principles un-

derlying an intelligent understanding of the care, growth and development of orchard and garden plants and trees. Instruction is also given in propagation by seeding, budding, grafting, layering, and by cuttings.

**Soil Physics.**—This course is designed for advanced work in the study of soils, both in the laboratory and the field.

**Stock Judging.**—Practice in expert judging of horses, cattle, sheep and swine by use of score card.

#### Senior.

**Vegetable Gardening.**—The special requirements of the different vegetables, both in the garden and in the forcing-house, are discussed.

**Landscape Gardening.**—The practical side of ornamenting private and public grounds is studied. This includes the making of lawns, drives, and flower and shrubbery beds; sodding, tree planting, etc.

**Rural Engineering.**—Instruction included under this head embraces the subjects of drainage, buildings, fences and farm machinery.

**Manures and Fertilizers.**—This consists of experiments with different fertilizers for various crops. Home-mixed vs. commercial fertilizers.

**Agricultural Experimentation.**—Students are required to make abstracts of a sufficient number of bulletins of various experiment stations, bearing on a selected line of work, to become familiar with their scope and aim.

**History of Agriculture and Rural Economics.**—Lectures upon the history of Agriculture, present agricultural methods in various countries, cost and relation, profits of various farm operators and systems.

**Forestry.**—Lectures on forest influences and methods of forest management, timbers and forest products.

**Entomology.**—The external and internal anatomy of insects will be studied. Their life history; injury to various crops, and means of holding them in check.

#### ART.

##### MISS MARY B. MERRITT, A. B.

Art has been defined as "the manner in which nature is used for the production of beauty. The material may be language, or the movements of the body, or sound, or life itself, as well as stone, or plaster, or paints, or ink and paper. In the mouldings of all these things Art may arise, so that there lives no human being, how

poor soever, who may not beautify his life by Art."

Freehand Drawing classes are open to all the students. In them the underlying principles of Art, proportion, perspective, and composition are stressed, as well as light and shade. First, the simplest objects composed of straight lines are used for models, then curved surfaces are introduced, and after that more complex objects. The lessons are varied by sketching from still-life, from nature, and from life.

The lessons will be supplemented by discussions on the different aspects of Art and its relation to life; and the history of Art will be studied.

A special course is offered in charcoal, crayon, pastel, oils, water-colors, and pen and ink to those who may desire it.

#### **DEPARTMENT OF FRENCH.**

##### **MISS MARY B. MERRITT.**

The object of this course is to enable the student to avail himself of the large number of scientific treatises that are published in the French language and to read with appreciation the masterpieces of French literature; to acquire the ability to speak the language; and to gain a knowledge of its grammar. In order to accomplish this an almost equal time is given to reading, conversation, and grammar. Especial attention is given to the study of the idioms of the language.

##### **Freshman.**

1. Fraser and Squair's French Grammar; reading of short stories and Eckmann—Chatrian's *Le Conserit*; conversational exercises at every recitation.

##### **Sophomore.**

2. Syms' Second Year in French completed; Dumas' *La Tulipe Noire* and Eckmann—Chatrian's *Waterloo*; original compositions in French. Recitations will be, as far as practicable, conducted in French.

##### **Junior.**

3. Syms' Third Year in French completed; study of Victor Hugo's *Les Misérables*, and selected readings; the French and English idiom compared; original compositions in French; conversation. This year will be devoted principally to a literary study of the masterpieces of French literature with special attention to the peculiar excellencies of the French language as a means of literary expression.

##### **Senior.**

Representative selections from eighteenth century prose: Des-

cartes, Pascal, La Bruyere; selections from classics, Molière, Racine, Corneille; conversation; business and social correspondence.

### BACHELOR OF BUSINESS SCIENCE COURSE.

PROF. BENN J. FERGUSON.

Commercial training is assuming enormous proportions in this country, and is progressing in leaps and bounds and is attracting the attention of our foremost educators and securing the support of our foremost business men. It is advocated by Chambers of Commerce, Bankers' and Business Men's Associations everywhere. Indeed, the sentiment in favor of commercial training is phenomenal and well-nigh revolutionary in the history of education.

A three years' business course beginning with Freshman is especially arranged for those wanting a practical education. This course gives a young man a thorough business education with the culture derived from college work. We believe it to be valuable to those desiring more than mere technical knowledge of commercial branches. The students get the benefit of the Societies and Libraries and receive a good course in English, Science and History. It is a business man's course, preparing the student to be more than a machine, to be a useful member of society by giving him culture. If a young man or woman wishes a fair college training, together with technical studies, we offer an ideal course at a minimum cost. Military Drill is required of those taking this course and a diploma is granted to those completing it.

The work of the Sub-Freshman "B" and "A" Classes is the same as in the B. S. Course.

### DEPARTMENT OF BOOKKEEPING.

#### Inductive Set.

Beginning with Sub-Freshman "A" Class, the student, by a gradual and entirely natural growth is carried by his own reasoning regarding the records he is called upon to make in his capacity as bookkeeper, into a practical knowledge of the double-entry system, with full understanding of the differences and advantages of double over single entry. In recording transactions and performing the mechanical part of his work, he is instructed in the language of the business office by the proprietor himself. He learns the use of the different books of record, and upon completion of this budget and auxiliary drill exercises has had excellent practice and acquired a working knowledge of practical bookkeeping.

**The records are all made from business papers and memoranda**

that come to the student as he progresses with the work. Every entry made calls for exactly the same detail regarding business papers handled that a bookkeeper must comply with in carrying on his work. He receives and makes the entries in his books from incoming papers that have all the reality and variety of form and hand writing of the business office, and he must issue all outgoing papers required by the different transactions.

A distinctive feature of the Inductive Set is that while it is made intensely interesting to the student, **accuracy is enforced**, and he is held to the highest standard of mechanical excellence. His method of presentation, the absence of arbitrary form and get-up, the development of accounts other than personal as they are demanded to meet the requirements of the business, and the scheme of final development of a double-entry set of books corresponding to the evolution of account-keeping from the time accounts first originated—all these are distinctive features of this set.

#### **DEPARTMENT OF ADVANCED BOOKKEEPING.**

Those students who have completed the foregoing business studies are now required to take advanced work in the Science of Accounts, including Commission and Jobbing, Manufacturing (by the voucher system) Banking, and Office Work. A course of collateral work is pursued in Commercial Law, Commercial Geography, Commercial Economics, Finance, etc., all graduating students being required to have an intelligent comprehension of these subjects for graduation.

#### **DEPARTMENT OF SHORTHAND AND TYPEWRITING.**

There are many advantages to be derived from the study of shorthand. Many students come to college handicapped with very slovenly habits due to faulty elementary training. The ordinary degree of neatness and accuracy which will answer for the everyday affairs of life will not suffice for the purpose of shorthand. There must be accurate, rapid thinking and close observation.

Commercially, shorthand is a valuable profession; besides it opens the door to unlimited opportunities. There are thousands of men filling the most lucrative positions who owe their advancement to a knowledge of shorthand.

Our primary object is to graduate stenographers having a scientific and thoroughly practical knowledge of their profession—men and women who can not only perform the duties of the office amanuensis but who are competent to fill positions as instructors, court reporters, and such as require skilled verbatim reporting. A high standard of proficiency is required of the graduate, such as

will insure satisfaction in any capacity. Our course should not be confounded with the short-term courses advertised by business colleges. Every feature of the work is taken up in the most thorough and systematic manner, and this, with their thorough knowledge of English, Science, History, Mathematics, etc., makes our graduates competent to do any kind of stenographic work.

Two years, the Sophomore and Junior, are devoted to short-hand and typewriting, and the student is required to take typewriting, in his Freshman year.

Sub-Freshman "B" and "A" classes are the same as in the B. S. course.

#### Freshman.

Theory and Practice of Bookkeeping, Single and Double Entry, Wholesale and Retail, Penmanship, etc. Typewriting.

#### Sophomore.

Commission and Jobbing, Typewriting, Stenography, ("The Amanuensis," Benn Pitman System by Jerome B. Howard) Commercial Law, etc.

#### Junior.—(Graduate Year).

Manufacturing, Banking, Office Work, Commercial Law, Commercial Geography, Finance, etc.. Stenography, (Speed Drill, Technical Reporting, Court Reporting, etc.) Typewriting, (Tabulating, Specifications, Rapid Dictation, Manifolding, Duplicating, Commercial and Legal Forms, Care of machine, etc.)

Students pay for use of typewriter at rental of \$3.00 per term.

A certificate will be granted to those taking special work in Book-keeping, English and Mathematics.

This special course is arranged for those who wish a working knowledge of Book-keeping and who can not remain long enough to complete the regular Bachelor Degree Course.



## SCHOOL OF MINES.

PROF. JOSEPH F. O'BRYNE.

### Introduction.

Civil, Mechanical, Electrical, and Mining Engineering will be preeminently those professions of the twentieth century, which will start and keep moving the wheels of industrial progress; for does not industrial history of states and nations show most clearly that technical training lies at the basis of industrial prosperity? That this is true few will gainsay, and hence that state which would merit and receive the earnest support of its citizens, that state which would develop its resources to the utmost limit, and which would go forward to take its place among the leading states of the nation, must provide for the scientific training of its young men in the ranks of the engineering professions.

The State of Georgia, with its splendid Institute of Technology in Atlanta, has supplied and is still supplying capable efficient young men who may be relied upon to grapple with and successfully overcome any problem or condition of affairs in the professions of Civil, Mechanical, and Electrical Engineering.

Here however we are confronted with the question: What about the mining engineer? Why has Georgia neglected the training of her young men for the profession of mining engineering? With great blocks of low grade gold ore awaiting the discovery of improved methods of treatment, with mining properties costly to work, because out of date or needing the mechanical metallurgical skill of the efficient mining engineer, with vast acres of mineral lands and deposits as yet only scratched, with miles and miles of unprospected country, Georgia may well introduce the question mark when speaking of her mining engineers.

President Glenn and the trustees of the North Georgia Agricultural College, ever aware of the needs of Georgia, did not waste valuable time in trying to answer the question. They did better. They established a School of Mines.

### Scope and Sphere of Usefulness of a School of Mines.

A mining school has several important characteristics to maintain. First, to educate scientifically and technically those who shall lead in the mining and metallurgical industries; second, to educate the public to a true sense of the value of applying scientific principles to industrial processes; third, as the University has for one of its functions the extension of human knowledge in any and all lines, so the mining school will recognize that the investigation of questions relating to the applied sciences is within its own sphere of usefulness. While the University asks no questions about the use-

fulness of the information gathered within its walls, the mining school must make its investigations in fields that are distinctly useful to the mining and metallurgical interests of the state.

It is obvious then, that the mining school to be where its usefulness cannot be questioned must be in the vicinity of the mining region of the state. The School of Mines at the North Georgia Agricultural College possesses all of the advantages of this position and as this puts the student within walking distance of mines, reduction plants, gold dredges and power plants it will not take many years before the hills of North Georgia and their immense treasures of gold will be mined with profit by students trained in the art and applying methods which they, knowing the district and all of its own peculiar characteristics, may devise.

#### **ENTRANCE EXAMINATIONS ARE HELD IN MAY AND SEPTEMBER.**

Examinations may be taken at the homes of the applicants, papers being forwarded to some responsible examiner. This applies to Freshmen and only to those living at a distance. All candidates for admission are advised to take the May examination.

The experience of the past year has shown that any student entering with less than the equivalent of a good High School course, and that, too, thoroughly mastered, has little chance for success.

#### **ANNOUNCEMENT OF FUTURE REQUIREMENTS IN ENGLISH.**

The examination in English is based on the requirements recommended by the Society for the Promotion of Engineering Education.

The candidate will be required to write upon subjects familiar to him. His composition should be correct in spelling, punctuation, grammar, idiom, and division into paragraphs, and should be plain and natural in style. He will be judged by the manner in which he writes rather than by the quantity which he writes.

#### **ADMISSION BEYOND ENTRANCE REQUIREMENTS.**

Fire Assaying is excluded from these special or partial graduate courses, unless the student is a candidate for a degree and is regularly taking all the other work required.

The course of the Mining Department is essentially a bachelor's course. The degree given at present is E. M. (Engineer of Mines.)

#### **THESES AND GRADUATION.**

A thesis upon some practical subject is an important prerequisite to graduation.

Part of the work consists in visiting mines, dredges, power-

plants, and other works where the processes lectured upon may be seen in actual operation. Short trips of this description are frequent while once a year a longer one is arranged, usually to some noted mining section.

When any prescribed trip is undertaken, which has a practical bearing on the work of any course, the students in that course, and working for a degree to which that course is essential, shall be required to attend such trip, unless excused by a vote of the faculty.

Expeditions of this kind afford abundant opportunities for the student to collect materials suitable for memoirs and theses.

All memoirs, theses and drawings, which constitute a regular part of the school work, may be retained by the Institution and preserved as part of the permanent record of the student who executed them.

Each Senior shall submit to the faculty, not later than November the 1st, the subject of his thesis which subject must be approved by the instructor concerned. Each thesis must be typewritten or printed on eight and one half by eleven inch paper, and bound in book form.

The completed theses must be handed in not later than May fifteenth.

Theses must be completed in final form and handed to the librarian before the delivery of diplomas. No diploma will be delivered until this requirement has been met.

#### **EXAMINATION AND RE-EXAMINATION.**

All students are expected to take the full regular quota of work, pursuing in order, as time and strength shall permit, all the studies of the regular course as laid down in the schedule.

In case of enforced irregularities from natural limitations, poor preliminary training, lack of application, or sickness, the suggestion which will mainly guide the disposition of each individual case, is the principle of the logical continuity of studies, in their mutual relations of preparation and sequences.

Students should complete all Freshman studies before entering on those of the Junior year, and similarly, the Sophomore studies before entering the Senior year.

Each case will be considered on its merits, as natural exceptions and those that cannot be anticipated may present themselves. But no rule shall be so applied as to work hardship or injustice to a student, who really deserves and is fitted to anticipate the studies of a later year.

Regular examinations which all students are required to attend,

are held at the end of each term on the various subjects pursued during the term.

A condition incurred during the first term may be removed by a first re-examination, held before the end of the second term, at a regular date set for that purpose, and, in case of failure to pass by a second re-examination, held in September at a regular date set for that purpose, before the beginning of the term. Until so removed, the said condition shall remain in effect.

A condition incurred during the second term may be removed by a first re-examination held at a regular date set for that purpose, before the opening of the school in September, and in case of failure to pass, by a second re-examination, held before the end of the first term of an academic year, at a regular date set for that purpose, and until so removed, the said condition shall remain in effect.

Failure to remove any condition within a year will require that the subject be repeated in the class room.

## DEPARTMENT OF MATHEMATICS.

### First Term.

**1. Algebra.** The course begins with a review of some of the more fundamental portions of the subject, including Theory of Exponents, Surds, Imaginary Numbers, Simple and Quadratical Equations, together with a thorough drill in the theory and use of Determinants. Five hours per week during the first term of the Freshman year. Text: Wentworth's Algebra.

conclude with Solid. Text: Wentworth's Algebra.

**4. Plane and Solid Geometry.** From Book III in Plane through Solid. Five times per week first term Freshman year.

**4. Analytical Geometry.** The point, straight line and circle are treated quite fully, the conic sections are defined, and the general theorems (relating to tangents, normals, poles and polars, and diameters) are derived. Two hours a week during the second term of the Freshman year. Requires courses 1 and 3 in Mathematics. Text: Tanner and Allen's Analytical Geometry.

**7. Calculus.** Differential Calculus. Differentiation; also the general nature and use of Integral Calculus is explained. The expansion of functions. Partial differentiation. A discussion of tangents, asymptotes, points of inflection, etc. Lectures three hours a week during the first term of the Sophomore year. Requires courses 1, 2, 3 and 4 in Mathematics. Text: Murray's Infinitesimal Calculus.

**Second Term.**

**2. Algebra.** During this term the time is mainly devoted to the Theory of Equations, Probability, Series, Binomial Theorem and the Logarithmic and Exponential Series. Five hours a week during the second term of the Freshman year. Requires course 1 in Mathematics. Text: Wentworth's Higher Algebra.

**3. Trigonometry.** Plane and spherical trigonometry, including a working knowledge of Logarithms and the use of tables. Many practical problems are given to the students to be worked out. Five hours per week during the second term of the Freshman year. Text: Well's Complete Trigonometry.

**5. Analytical Geometry.** The Conic Section. The nature of the curve corresponding to the general equation of the second degree is determined. Two hours per week during the second term of the Sophomore year. Require courses 1, 3 and 4 in Mathematics. Text: Tanner and Allen's Analytical Geometry.

**6. Calculus.** The problem of maxima and minima of analytical functions is treated, the necessary and sufficient conditions being established in determinant form.

In Integral Calculus: general methods of integration are taken up and numerous examples worked. Then the applications of integration to plane, curves, areas, surfaces, volumes, moments of inertia, centre of mass, etc., are taken up. Lectures three hours a week during the second term of the Sophomore year. Courses 5 and 6 are required. Text: Murray's Infinitesimal Calculus.

**DEPARTMENT OF PHYSICS.****First Term.**

**1. Mechanics, Sound and Light.** This course is given by lectures, illustrated by experiments, and by recitations. It is required of all Sophomores. Lectures four times per week. Recitations once each week. Courses 1, 2, 3 and 4 in Mathematics required, and must be preceded or accompanied by course 7 in Mathematics. Text: Carhart's University Physics.

**3. Laboratory Course in Mechanics, Sound and Light.** Thirty experiments. Laboratory work (two sections) two afternoons per week, of an hour and a half duration. Accompanies course 1, Physics. Texts Ames and Bliss's Manual of Experiments in Physics.

**Second Term.**

**2. Heat and Electricity.** This course is given by lectures, illustrated by experiments, and is a continuation of course 1. Lectures five times each week. Recitation one hour per week. Courses 1, 2, 3, 4 and 7 in Mathematics required and should be preceded by

course 1, Physics. Texts: Carhart's University Physics.

4. **Laboratory Course in Electricity and Heat.** Thirty quantitative experiments are performed by each student. Laboratory work, two hours per week during the second term of the Sophomore year. Accompanies course 2, Physics. Texts: Ames and Bliss's A Manual of Experiments in Physics.

#### DEPARTMENT OF CHEMISTRY.

1. Lectures and recitations on the theories and principles of Chemistry with special reference to their application in practical work. The typical elements are first studied at length and then the remaining elements according to the periodic grouping. Technical processes receive much attention, and the latest developments of chemical theory are discussed. A feature of the course is the attention paid to stoichiometrical calculations. The lectures are illustrated by numerous experiments and the mineralogical collections are constantly used for illustrations of the natural occurring compounds of Chemistry. Text: Richter's Inorganic Chemistry.

(The works of Remsen, Erdmann, and Roseoe and Schorlemmer are recommended for supplementary reading).

Five lectures per week throughout the Sophomore year.

5. **Quantitative Analysis.** (Laboratory Course). The course of instruction in Quantitative analysis begins with the analysis of simple salts and passes to that of more complex bodies, as ores and alloys. A varied series of determinations is required which illustrate the most important types of gravimetric methods. A large supply of carefully checked samples is available and students must show a high degree of accuracy in their work. Among some of the exercises of the course are the analysis of prosilite, dolomite, wolframite, silicates, coal, iron ore, and alloys. Text: Cairn's Quantitative Analysis. Junior year, first term, three afternoons weekly. Courses 1, 2, 3 and 4 in Chemistry are required.

7. **Quantitative Analysis.** (Lecture Course) A course of lectures on the work of course 5 and the application of chemical theory to analytical work. Junior year, one term, one hour weekly throughout the year.

#### 9. TECHNICAL CHEMISTRY. (Lecture Course).

A course of lectures on selected topics of interest to engineers. Among other subjects, the analysis of cyanide solutions, gases, oils, paints, explosives, fuels, water, petroleum and asphalt, cements and clays, alloys, and iron and steel are taken up.

Senior year, first term, two hours weekly.

## SECOND TERM.

### **2. GENERAL CHEMISTRY. (Lecture Course).**

A continuation of course I.

Sophomore year, second term, five hours weekly.

Courses 1 and 3 in Chemistry, required.

### **4. QUALITATIVE ANALYSIS. (Laboratory Course).**

The reaction of the important basic and acidic elements are rationally studied and their identification and separation in mixtures of varying complexity is required. In addition to the analysis of simple solutions, the analysis of ores, minerals and insoluble products is taught, and the reactions of the rare elements are taken up to some extent. Spectroscopic work forms part of the course. Every method is made to avoid mechanical work, and all students must write out the reactions and separations as they occur, and submit their notes for correction. Frequent quizzes are held and the theory of analysis is emphasized.

Sophomore year, second term, three afternoons weekly.

Text: Medicus's Qualitative Analysis (Marshall's Translation).

Courses 1, 2, and 3 in Chemistry are required.

### **6. QUALITATIVE ANALYSIS. (Lecture Course).**

A course of lectures on the principles of Qualitative Analysis, supplementary to course 4.

Sophomore year, second term, one hour weekly.

### **8. QUANTITATIVE ANALYSIS. (Laboratory Course.)**

This course, (which is the continuation of course 5) consists largely of exercises in Volumetric analysis, and the application of gravimetric and volumetric methods to commercial requirements. Students are especially drilled to attain speed and capacity, without interfering with accuracy. For these exercises a large number of smelters and assayers' samples are available.

Among the exercises of the course are acidimetry and alkaliometry, with the use of indicators; assay of bleaching powders and cyanide solutions; the volumetric determination of iron copper, manganese, zinc, lead and arsenic in ores and furnace products.

Junior year, second term, three afternoons weekly.

Courses 1, 2, 3, 4, 5, 6 and 7 in Chemistry are required.

### **10. QUANTITATIVE ANALYSIS. (Lecture Course).**

A continuation of course 7, bearing chiefly on Volumetric analysis.

Junior year, second term, one hour weekly.

## DEPARTMENT OF MACHINE DESIGN AND DRAFTING.

### First Term.

1. **Descriptive Geometry.**—This course covers O'Byrne's Descriptive Geometry. The method of instruction is by lectures and recitations. Each student recites on every problem individually.

Two hours a week during the first term of the Freshman year.

Must be preceded or accompanied by course 3, Machine Design and Drafting.

3. **Mechanical Drawing.**—All efforts during the early part of the work are directed toward making the student thoroughly acquainted with, and exercised in, the proper use of his drawing instruments and drafting supplies in general. The work then proceeds with mechanical and free hand lettering, line shading, tinting, shading with tints, and conventional tints for different materials. There are twelve of these mechanical sheets, a title page for the mechanical sheets and a title page for the descriptive geometry sheets. These two title pages may be a part of the second term's work.

Five afternoons a week during the first term of the Freshman year.

Texts: Morris' Geometrical Drawing; Curtis and Hazard's Freshman Drawing Data.

### Second Term.

2. **Descriptive Geometry.**—This course covers the tangent problems, intersection problems, shades and shadows, and isometric projections, as given in O'Byrne's Descriptive Geometry.

Second term Freshman year, two hours per week.

Course 1, Machine and Drafting is required.

Text: O'Byrne's Descriptive Geometry.

4. **Descriptive Geometry Drawing.**—This is in connection with the work in Descriptive Geometry and includes warped surfaces, surface of revolution, tangent surfaces, intersections, shades and shadows, and isometric projections.

Five afternoons per week.

Texts: O'Byrne's Descriptive Geometry; Curtis and Hazard's Freshman Drawing Data.

## DEPARTMENT OF SURVEYING.

1. **Surveying.**—Instruction is given in the theory of the adjustment of the transit and level, the principles of land surveying, topographical surveying and railroad work. The theory of the Plane Table and also that of the Aneroid Barometer are given.

Plane Surveying one month at the close of the school year.

Courses 1, 2, 3, 4, 5, and 6 in Mathematics and courses 1, 2, 3, 4, 7 in Drawing required.

Texts: Johnson's Theory and Practice of Surveying; Hodgman's Field Manual; Pence and Ketchum's Surveying Manual; Nagle's Field Manual for Railroad Engineers; Searles' Railroad Spiral.

3. **Field Surveying.**—The course consists in adjusting instruments, traverse surveys, calculation of areas and distances, stadia work and the laying out of a short railway line. All the problems are platted in the office and the calculations made in a regular book kept for that purpose.

Field and office work one month at the close of the Freshman year.

This course accompanies course 1.

#### **Second Term.**

2. **Mining Surveying.**—Under this head will be considered the theory of the determination of the true meridian by means of the various solar attachments and by direct observation of the sun and of a circumpolar star; a careful discussion of the principles and methods used in locating and patenting mining claims, and in underground surveying, will be given. The lectures delivered on these subjects enter into the detail with which they are connected and touch upon the Mining Law relating to surveyors and the patenting of mining property. The remaining time will be devoted to the outlines of the subject of geodetic surveying.

Lectures twice a week during the second term of the Sophomore year.

This course requires course 1, surveying.

Texts: Johnson's Theory and Practice of Surveying; Morrison's Mining Rights.

4. **Field Surveying.**—This course includes field practice in determining the true meridian by the different methods. Each party undertakes the complete survey of a mining claim for patent, including the making of the Preliminary Plat and the writing up of the Field Notes according to the requirements of the Surveyor General's office.

The surveys of a number of available mines are made, and the proper maps and sections drawn. A base line is measured with a three hundred foot steel tape, and all corrections made so as to eliminate errors of sag, pull, temperature, and grade. On the base rests a quadrilateral whose angles are measured by the repeating method. These measured angles are adjusted and the sides computed.

Field and office work one month at the close of the Sophomore year.

This course accompanies course 2, surveying.

## DEPARTMENT OF GEOLOGY AND MINERALOGY.

### First Term.

**1. General Geology.**—This course embraces (a) Dynamical Geology; (b) Structural Geology; (c) Historical Geology. It is based mainly on text book work which is supplemented by lectures and illustrations, the intent being to give a fair knowledge of the principles of the subject such as an intelligent mining engineer should possess. This class-room work later in the year is further supplemented by excursions in the neighborhood.

Four hours a week during the first term of the Junior year.

Text: Le Conte's Text Book of Geology.

**3. Crystallography.**—This course is intended to give a thorough comprehension of the fundamental principles of the subject with a view to utilizing this knowledge for the practical determination of minerals. Instruction is given through lectures followed by laboratory practice, and through individual quizzes. The material presented covers the six crystal systems and most of the hemihedral and tetrahedral divisions. The practical work embraces the study and determination of wooden crystal models to the number of about twelve hundred, and the identification of crystal forms on about three hundred natural crystals.

Six hours a week until Christmas, during the first term of the Sophomore year.

Text: Patton's Lecture Notes on Crystallography.

**5. Blowpipe Work.**—In this course only the most characteristic relations of the more commonly occurring elements are presented, namely those which will be found necessary for the proper determination of the minerals presented in the course in Determinative Mineralogy. The blowpipe outfit for this course is furnished by the school, and is paid for by the special fee required for the complete course in mineralogy, and becomes the property of the student.

Thirty hours altogether, Sophomore year.

Courses 1, 2, 3, 4, and 6 in Chemistry required.

Texts: Moses and Parsons' Mineralogy, Crystallography and Blowpipe Analysis.

### Second Term.

**2. Lithology.**—This course is based primarily on lectures which are followed by practical rock determination and excursions. The intent of the course is to give a familiarity with all the more commonly occurring rock types with ability to determine the same in the field. With object in view, the attention is directed mainly to the microscopic properties of the rocks.

Six hours a week during the second term of the Junior year.

Courses 1, 2, 3, 4 and 6 in Chemistry and courses 3 and 5 and 6 in Geology and Mineralogy are required.

Texts: Kemp's Handbook of Rocks.

**4. Economic Geology.**—This important subject which has heretofore been presented incidentally in connection with courses in mining and geology, will be placed under the Department of Geology and Mineralogy. Instruction will be given in Economic Geology, including Ore Deposits, in so far as circumstances will allow. Courses 1, 2, 3, 5 and 6 in Geology and Mineralogy are required.

**6. Systematic and Determinative Mineralogy.**—This subject is taught by means of lectures, text books and laboratory practice. In the laboratory practice each student is expected to determine and recite upon about twenty-five hundred mineral specimens, and he is supposed to become familiar with the characteristic physical properties that enable one to recognize the mineral species wherever met.

Eight hours a week for fifteen weeks during the second term of the Sophomore year.

Geology and Mineralogy are required.

Texts: Moses and Parsons' Mineralogy, Crystallography and Blowpipe Analysis.

#### DEPARTMENT OF MECHANICS AND CONSTRUCTION.

**1. Theoretical Mechanics.**—This course consists of the theoretical study of mechanics and materials. Statics of a material point and of rigid bodies; centers of gravity or centrodoids; chains and cables; moments of inertia of plane figures; stresses and strains; tension; shearing; compression; torsion; flexure; combined torsion and flexure; elastic curves; safe loads; applications to commercial forms; oblique forces; columns; continuous beams.

Lectures and recitations three times a week during first term of the Junior year.

Courses 1, 2, 3, 4, 5, 6 and 7 of Mathematics, and 1 and 2 of Machine Design and Drafting are required.

Texts: Church's Mechanics of Engineering.

Church's Notes and Examples in Mechanics.

Cambria Steel.

Pierce's Short Table of Integrals.

Original Problems.

**3. Advanced Graphics.**—Elective.—An application of graphics to the solution of masonry problems. Right arches of masonry. Arch-ring, voussoirs, soft, intrados, extrados, spandrel, crown, key stone, rise and span. Friction. Resultant and maximum pressure. True linear arch. Load contour. Symmetrical and non-symmetri-

cal loadings on symmetrical arches. Abutments. Arch-ribs. Special Equilibrium polygon. Thrust. Shear. Moment. Angular Chance. Deflections. Graphical arithmetic. Continuous rib, free to slip on abutments. Three-hinged rib. Two-hinged rib. Continuous rib with fixed ends. Application of Prof. Eddy's Graphical Method. Temperature. Rib shortening. Variable cross sections. Scheffler's theory. Continuous girders by graphics. Thatcher's concrete steel construction with variations. Expanded metal and similar constructions.

Hours to be arranged.

Courses 1, 2, and 4 in Mechanics and Construction are required.

Texts: Church's Mechanics of Engineering. Baker's Masonry Construction.

5. (a) **Structural Details.**—Theory—Definitions and dimensions of parts. Housing notching, mortise and tenon, dove-tailing, lag screws, dowels, lugs, keys, brace blocks, nuts and washers, etc. Unit stresses, Loading, Splicing; finishing, scarfing. Deepened beam. Articulated trussed beam solved graphically and by method of "least work." Wooden roof truss; rafters, purlins, upper chord, lower chord, tie-rods, end joint, corbed, anchorage. Pin and riveted steel roof trusses.

Recitations and lectures twice a week during the first term of the Senior year.

(b) **Design.**—Tabled fish-plate joint. Plain wrought-iron fish plate joint. Deepened beam. Trussed beam. Wooden roof truss. Steel roof truss. Pin or rivet connections. Steel and masonry buildings. Wood and steel gallows frames.

Two afternoons a week during the first term of the Senior year.

Courses 1, and 4 in Mechanics and Construction are required.

Text: Howe's Roof Trusses in Wood and Steel.

Jacoby's Structural Details, sheets.

Merriman and Jacoby's Roofs and Bridges.

Canbria Steel.

Fowler's Specifications for Roofs and Buildings.

Baker's Masonry Construction.

9. **Cement Laboratory.**—Natural and Portland Cements. Cement mixing. Cement mortars. Testing cement and cement mortars for tensile and crushing strength; adhesion, soundness, fineness, setting, freezing, effect of chemicals.

One afternoon per week in squads during the first term of the Senior year.

#### **Second Term.**

2. **Theoretical Mechanics.**—Dynamics of a material point. Impact. Virtual Velocities. Centrifugal and centripetal forces. Mo-

ments of inertia of solids. Pendulums. Dynamics of rigid bodies. Work. Power. Energy. Fly-Wheels. Friction. Dynamometers. Belts.

Three hours per week, the second term of the Junior year.

Course 1 in Mechanics and Construction is required.

Texts: Same as in Mechanics and Construction is required, course 1.

**Graphics.**—Definition. Forcetriangle; Forcepolygon. Concurrent and non-concurrent forces. Equilibrium polygons. Pole. Rays. Special equilibrium polygon. Resultant of forces. Pier reactions. Equilibrium and force polygons for vertical loads. Vertical dimensions of equilibrium polygon. Application to simple beams with various loadings; to centers of gravity; to moments of inertia; to articulated cranes, trusses and gallows frames. Graphics of mechanism. Forward and backward motion. Efficiency. Sliding journal and "rolling friction". Mill Elevator. Wedge. Jack-screw. Engines. Ore-crusher. Friction Rollers. Chain friction. Tackles and pulleys. Ropes. Spur-gearing. Belting.

Lectures and recitations twice a week during the first term of the Junior year. Drafting four hours per week of the second term.

Course 1 in Mechanics and Construction is required.

Text: Church's Mechanics of Engineering.

Church's Notes and Examples in Mechanics.

Howe's Roof Trusses in Wood and Steel.

#### DEPARTMENT OF HYDRAULICS.

**1. Hydraulics and Hydraulic Motors.**—This course is given partly by lectures, and partly by recitations; it embraces hydrostatics, the flow over weirs, through orifices, through pipes, flumes, ditches and conduits of various forms. It also includes an elementary study of the various types of hydraulic machinery.

Three times per week for the first term Senior year.

Text: Merriman's Hydraulics and References.

**2. Laboratory Course In Hydraulics.**—Measurements are made of the flow over weirs, through orifices and through flumes and ditches. The determination of the approximate law of flow in pipes also forms part of the course. Water wheels are tested and the efficiency of the hydraulic ram under various conditions is determined.

#### POWER TRANSMISSION.

This includes the transmission of power by wire rope, by compressed air and by electricity. This course is given partly by lec-

tures, and partly by recitations.

Three times a week throughout the Senior year.

Text: Bell's Electrical Power transmission and references.

### **DEPARTMENT OF ASSAYING.**

The principles of fluxing and methods of work are taught by lectures, followed by their application in the laboratory to typical ores, silicious, barytic, pyritic, etc. The course involves thorough work in the assay of rich, medium, and low grade ores of gold, silver and lead, and the preparation of samples.

Both the sconification and crucible methods, with silver ores, are required and results compared. The results of assays by mail, nitre and roasting methods are also compared. The course includes the assay of furnace products such as mattes, slags and bullions.

One month at the close of the Junior year, or three afternoons per week during the second term of the Senior year.

2. **Assaying.**—Special course in assaying to students who have had the equivalent of Course 1.

### **DEPARTMENT OF MINING.**

#### **First Term.**

1. **Mining.**—This course may be outlined as follows: Hoisting, under which will be considered, motive powers, ropes, gallows-frames, receptacles and safety appliances and pneumatic hoisting. Haulage: a discussion of the different systems of underground and surface transportation, including aerial ropeways. The drainage, ventilation and lighting of mines. Explosives, the theory of blasting, pointing and charging holes; methods of firing. Methods of breaking ground. Boring, diamond-drill work, and the percussion methods.

Lectures three times a week the first term of the Senior year.

Texts: Foster's Ore and Stone Mining. Ihlseng's Manual of Mining. The Coal and Metal Miner's Pocket Book.

#### **Second Term.**

2. **Mining.**—Instruction is given in methods of shaft sinking, tunneling, mine timbering and exploitation, hydraulic mining, ore deposits, mine management and the employment of labor, mine examinations sampling of ore bodies, estimation of the "Ore in Sight" and the valuation of mining properties.

This course is supplemented by trips to mining camps for the practical and detailed study of machinery and mining methods.

Lectures three times a week during the second term of the Senior year.

Texts: Posen'y's The Genesis of Ore Deposits. Kemp's The Ore

Deposits of the United States and Canada. Bowie's A Practical Treatise on Hydraulic Mining.

### DEPARTMENT OF METALLURGY.

The study of metallurgy begins with Junior year and continues throughout the remainder of the school course. The subject is taught by illustrated lectures, text-books, appropriate laboratory work and visits to metallurgical works where the students see and study the operations on a commercial scale.

Visits to the prominent metallurgical plants are of frequent occurrence during the last year of the course. These trips are required of all candidates for the Mining and Metallurgical degree.

#### First Term.

1. (a) **General Principles of Metallurgy.**—Historical sketch. The relation of Metallurgy to Chemistry. Properties of the metals, alloys, brasses and bronzes. Thermo-treatment of metals. Fuels in the solid, liquid, and gaseous state; their occurrence and manufacture.

Refractory materials, their occurrence, properties, manufacture and uses. Pyrometry and Calorimetry. Furnaces, different types used for various metallurgical operations. Blowing apparatus. Hot Blast stoves. Typical metallurgical processes. Sampling of ores and metallurgical product. Roasting of gold, silver, copper, lead, zinc, and iron ores. Metallurgy of Lead.

(b) **Ore Dressing.**—Three hours per week during the first term of the Junior year.

One afternoon per week in the Laboratory.

This course requires 1, 2, 3, 4, 5, 6, 7, 8, 10, in Chemistry. Courses 3, 5, and 6 in Mineralogy and Geology, and 1 and 2 in Assaying.

Texts and references: Roberts-Austin, Introduction to Metallurgy.

### 3. METALLURGY OF GOLD AND SILVER.

(a) **Metallurgy of Gold.**—Occurrence and properties. Various processes of extraction. Stamp Milling. Extraction by amalgamation. Extraction by Chlorination. Extraction by Cyaniding. Arrangements of plants and typical mills. Melting and refining of gold and parting of gold and silver bullion.

(b) **Metallurgy of Silver.**—Occurrence and properties. A general discussion of various processes for the extraction from ores. The Latio process. The Washoe process. The Combination process. The roasting and pan amalgamation. The Boss process. Wet processes. Refining of Silver bullion. Purchasing, sampling, and test-

ng of gold and silver bullion.

Lectures four hours per week during the second term of the senior year.

This course requires courses 1 and 2, Metallurgy.

Texts and References: T. K. Rose, The Metallurgy of Gold.

Collins, The Metallurgy of Silver.

Eggleston, The Metallurgy of Silver.

Schnabel, Hand Book of Metallurgy.

Richards, Stamp Milling of Gold Ores.

#### Second Term.

**2. The Metallurgy of Copper.**—Smelting in reverberatory and last furnaces. Pyritic matte smelting. Concentration of mattes by various process. Wet processes of treating mattes and ores. The study and calculation of the furnace charges, and slag. Besmerizing. Process of refining in reverberatories and electrolytic refining.

Lectures three hours per week during the second term of the junior year.

This course requires course 1 in Metallurgy and course 1 Assaying.

Text and References: Schnabel, Hand Book of Metallurgy.

Peters Modern Copper Smelting.

Lang, Matte Smelting.

**TABULAR VIEW.****Mining Engineering.—Freshman Year.**

<b>1st Term.</b>	<b>Rect. Hrs.</b>	<b>Lab. Hrs.</b>	<b>2nd Term.</b>	<b>Rect. Hrs.</b>	<b>Lab. Hrs.</b>
Algebra (p. 31) . . . . .	5		Algebra (p. 32) . . . . .	5	
English (p. 16) . . . . .	5		English (p. 16) . . . . .	5	
Geometry (p. 31) . . . . .	5		Trigonometry (p. 32) . . . . .	5	
Des. Geometry (p. 35)	2		Desc. Geometry (p. 35) . . . . .	2	
Mech. Drawing (p. 35)		15	Desc. Drawing (p. 35) . . . . .		15
Military (p. 46) . . . . .		5	Military (p. 46) . . . . .		5

Plane Surveying one month at close of school year.

**TABULAR VIEW.****Mining Engineering—Continued. Sophomore Year.**

<b>1st Term.</b>	<b>Rect. Hrs.</b>	<b>Lab. Hrs.</b>	<b>2nd Term.</b>	<b>Rect. Hrs.</b>	<b>Lab. Hrs.</b>
Crystal, & B. P. (p. 37)	2	6	Mineralogy (p. 38) . . . . .	2	6
Gen. Chemistry (p. 33)	5	5	Analyt. Geom. (p. 32) . . . . .	12	
English Comp. (p. 16)	1		Calculus (p. 32) . . . . .	3	
Analyt. Geom. (p. 31)	2		Qualit. Analy. . . (p. 34) . . . . .	1	9
Calculus (p. 31) . . . . .	3		Physics (p. 32) . . . . .	5	2
Physics (p. 32) . . . . .	5	3	Gen. Chem. (p. 33) . . . . .	5	
Military (p. 46) . . . . .		5	Military (p. 46) . . . . .		5
			Lectures on Mine Surveying throughout second term . . . . .	2	

Mine Surveying one month at close of school year.

**TABULAR VIEW.****Mining Engineering—Continued.—Junior Year.**

1st Term.		2nd Term.	
	Rect. Hrs.		Rect. Hrs.
	Lab. Hrs.		Lab. Hrs.
Quant. Analy. (p. 33)		Quant. Analy. (p. 34)	
Gravimetric . . . . .	1	Volumetric . . . . .	1
Mechanics (p. 38) . .	3	Mechanics (p. 39) . .	3
Metal. of Lead (p. 42)	3	Metal. of Copper (p. 43)	3
Geology (p. 37) . . . .	4	Lithology (p. 37) . . .	1
Graphics (p. 40) . . . .	2	Graph. Drawing (p. 40)	4
Military (p. 46) . . . .		Military (p. 46) . . . .	5
	5		

Fire Assaying one month at close of school year. (Optional).

**TABULAR VIEW.****Mining Engineering—Continued.—Senior Year.**

1st Term.		2nd Term.		
	Rect. Hrs.		Rect. Hrs.	
	Lab. Hrs.		Lab. Hrs.	
Struct. Drawing (p. 39)		6	Thesis (p. 29) . . . . .	12
Structures (p. 39) . .	2		Mining (p. 41) . . . . .	3
Econ. Geol. (p. 38) . .	3		Econ. Geol. (p. 38) . .	3
Mining (p. 41) . . . . .	3		Hydraulics (p. 40) . .	3
Elec. Power Trans- mission (p. 40) . . . .	3		Elec. Power Trans- mission (p. 40) . . . .	3
Hydraulics (p. 40) . . .	3		Assaying, fire (p. 41)	9
Tech. Chem. (p. 33) . .	2		Metallurgy Gold and	
Cement. Lab. (p. 39) . .		3	Silver (p. 42) . . . . .	4

If Fire Assaying has been taken at end of Junior year it is of course omitted in the last term of the Senior year.

## MUSIC DEPARTMENT.

### MISS ELLENE GLENN.

The music department is thoroughly modern in its requirements. From academic to concert work is taught, especial attention being given to harmony and theory.

The course is a teachers' and students' course. The requirements of the course will be specified at the beginning of the fall term.

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## MILITARY ORGANIZATION.

E. J. Williams, Captain 5th Infantry, U. S. A., Commandant.

### Staff.

Cadet Major, W. S. Gaillard.

Battalion Adjutant, Cadet 1st Lieutenant, E. W. Davison.

Battalion Quartermaster, Cadet 2nd Lieutenant G. M. Barnes.

Battalion Sergeant Major, Cadet Sergeant, Major G. C. McKibbon.

Battalion Quartermaster Sergeant, Cadet Q. M. Sergt. B. Ray.

### Band.

Instructor, Prof. R. H. Wootten.

Cadet 2nd Lieutenant H. P. Alford, Commanding.

Drum Major, Cadet 1st Sergeant J. W. Findley.

Corporals, J. W. Davison and C. Gurley.

Company "A."	Captain . . . . .	Company "B."
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J. T. Knox . . . . .	1st Lieutenant . . . . .	W. L. Jackson.
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A. Gaskins . . . . .	2nd Lieutenant . . . . .	W. E. Broach.
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C. D. Burnett . . . . .	1st Sergeant . . . . .	J. E. Phillips.
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Y. J. Simmons . . . . .	Sergeant . . . . .	A. A. Burch.
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W. A. Sims . . . . .	Sergeant . . . . .	J. J. Powell.
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G. N. Bynum . . . . .	Sergeant . . . . .	M. L. Baxter.
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H. E. Whelchel . . . . .	Sergeant . . . . .	G. P. Charters.
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T. O. Galloway . . . . .	Corporal . . . . .	F. C. Cavender.
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M. L. Stephens . . . . .	Corporal . . . . .	G. M. Strickland.
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H. V. Johnson . . . . .	Corporal . . . . .	C. S. Phillips.
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M. C. Gay . . . . .	Corporal . . . . .	T. H. Hunt.
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E. J. Cavender . . . . .	Corporal . . . . .	C. Burnett.
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## ADVANTAGES OF MILITARY EDUCATION.

The benefits that the student derives from military training are moral, mental and physical, and are as valuable to the citizen as to the soldier. Military instruction develops the student morally by instilling principles of patriotism, courage, obedience to law and respect for lawful authority, while military discipline enjoins correct habits of living. Military instruction aids greatly in the student's mental development by its constant demand for alertness in thought and action. By a well devised system of military drill the most sluggish mind is soon trained to respond promptly to every command.

The physical advantages derived from daily military exercise in the open air, viz: improved health, well developed physique, graceful carriage, manly address and neatness of appearance are too well known to deserve further comment. While the gymnasium and field sports aid, as a rule, in the physical development of the strong only, the military exercise extends this benefit to all.

We are making good soldiers, but we are making better citizens.

In the present age the discipline of an army differs very little from the discipline of a great industrial incorporation, and every attribute of the good soldier is appreciated and rewarded as promptly in the business world as in the army.

### Instruction.

The course of instruction, theoretical and practical, in the military department is prescribed by the United States War Department, and this prescribed course is rigidly followed. The course includes:

*i) Practical—*

Infantry drill, close and extended order, through the school of the battalion.

Advance and rear guard, and outposts.

The ceremonies of battalion review, inspection, parades, guard-mounting and escort of the colors.

Infantry target practice.

Instruction in first aid to the injured.

Instruction in guard duty.

Light artillery drill in the school of the cannoneer.

*ii) Theoretical—*

The Infantry Drill Regulations covered by the practical instruction.

The Manual of Guard Duty.

Small Arms Firing Regulations.

The articles of war.

And the following records:

Enlistment and discharge papers, including descriptive lists.  
 Morning reports.  
 Field and monthly returns.  
 Muster rolls.  
 Rosters.  
 Rations returns.  
 Requisitions.  
 Property returns.

In addition, lectures each year upon the following subjects:  
 The organization of the United States Army, including volunteers and militia.  
 Patrols and outposts.  
 Marches.  
 Camps and camp hygiene.  
 Lines and bases of operations.  
 Attack and defense of advance and rear guards and outposts, and convoys.

Military duty is obligatory on all male students over fifteen and under twenty-five years of age and not laboring under physical disability; ordained preachers in charge of churches are also excused, and State teachers having three years' experience taking the special Normal course. In case of disability, the fact must be certified to by the College surgeon. But every student is liable to such military studies and modified military duty as he may be found capable of performing.

#### **Uniforms.**

The uniform has been selected with a view to making it as inexpensive for the cadet as possible, and is neat and durable. An estimate of the cost of same, as given below, shows it to be far less expensive than other kinds of clothing. Arrangements have been made by which uniforms and equipment will be purchased under contract with a military furnishing house and furnished to the cadet at net cost. All uniforms must be inspected as to fit and quality and accepted by the Commandant of Cadets.

Cadets will wear the uniform at all times during the school term, and deposit to cover entire cost of same must be made at time of matriculation. It consists of the following:

Full Dress Uniform:—Dark blue cap, army pattern; dark blue blouse made of 18 oz. goods; white duck trousers and white belt and gloves.

Dress Uniform:—Cap and blouse and gloves same as full dress uniform; cadet grey trousers, made of 22 oz. goods.

Fatigue Uniform:—Campaign hat; chambray shirt; jeans trousers and brown duck leggings. (**This uniform subject to change**)

which will increase cost of same very slightly, if any).

**Expenses.**

Dress Uniform . . . . .	\$14.00
2 pairs white duck trousers for full dress . . . . .	2.50
White belt and $\frac{1}{2}$ dozen pairs white gloves . . . . .	0.75
1 Campaign hat . . . . .	1.00
$\frac{1}{2}$ dozen chambray shirts . . . . .	2.00
1 pair jeans trousers . . . . .	0.75
1 pair leggings . . . . .	0.40
$\frac{1}{2}$ dozen standing collars . . . . .	0.75

Total cost of uniform clothing for one year . . . . . \$22.65

The dress uniform can be easily made to answer for two years use, and the only additional expense for uniform clothing would be the slight cost for extra fatigue uniform. To the above list of expense should be added the cost of an annual encampment of about \$3.00, which encampment, lasting one week, will be arranged for if practicable.

## ENTRANCE REQUIREMENTS.

In view of the dormitory system of boarding and the military system of discipline prevailing in the college, no student under fifteen years of age will be permitted to enter college unless under the care of parents or relatives in the community.

All applicants for Sub-Freshman B and A Classes will be required to stand written examinations in English, Mathematics, and United States History similar to the specimen examinations printed in the catalogue.

All entrance examinations will be held during the two first days of the fall term.

### **Specimen Test in English Grammar, For Entrance to Sub-Freshman**

#### **B. Class.**

1. Name the parts of speech, giving an example of each.
2. What are the parts of a sentence?
3. What is the difference between a phrase and a clause?
4. Write an interrogative sentence containing an adverb.
5. How can you tell when a word is a noun? a verb? a pronoun? a proper noun?
6. What does the possessive case do?
7. Decline the pronoun *I*, the noun *boy*.
8. Write a sentence containing a conjunction.
9. Write a phrase containing a preposition.
10. Tell in a few lines how much grammar you have studied, and why you found it a hard study, signing your name, and dating your paper.

### **Specimen Examination in English Grammar, For Entrance to Sub-Freshman A Class.**

1. Explain and illustrate transitive and intransitive verbs.
2. Explain how the regular or new conjugation, and the irregular or old conjugation are formed. Illustrate.
3. Give principal parts of ride, throw, burst, lie, fly, flee.
4. Explain and illustrate the active and the passive voice.
5. Give construction of following underlined words: (a) That cadet has become a **captain**. (b) Now, **doctor**, please tell **us** a story. (c) He waited an **hour** for the note and then went **home**.
6. Explain fully the following infinitives: (a) I want to buy some books. (b) Writing letters to her was a pleasure. (c) He gained the prize by running the race.
7. Explain the following participle: (a) I watched the man climbing the hill.
8. Name and illustrate the classes of adverbs.

## 9. Analyze briefly:

- (a) I know when he entered college.
- (b) This book that my sister gave me is the life of Lee.
- (c) I heard that the lecture was very interesting.

**Specimen Test in United States History, For Entrance to Sub-****Freshman B Class.**

1. What European nations made settlements in the New World, and in what parts?
2. What great wars were fought during the past history of our country?
3. Name as many as you can of the original thirteen colonies?
4. What do you know of the settlement of Georgia?
5. Tell what you know of the following:  
Jefferson, Andrew Jackson, Lincoln.
6. Narrate some famous naval battle in the history of America.
7. What do you know about William Penn? Patrick Henry? Daniel Webster?
8. Tell an incident in the life of Stonewall Jackson.

**Specimen Examination in United States History, For Entrance to****Sub-Freshman A Class.**

1. In what part of North America were settlements made by Spaniards? the French? the English?
2. Who were the Puritans?
3. Narrate the settlement of Virginia, of Georgia.
4. Summarize the causes of the Revolutionary War.
5. Tell what you know of the Constitutional Convention.
6. Describe the life of the New England Colonists as compared with that of the Southern Colonists.
7. What is meant by the Alien and Sedition laws?
8. Explain the Monroe Doctrine, the Spoils System.
9. What was the Missouri Compromise? the Fugitive Slave law? Nullification?
10. Explain the Valley Campaign, the Seven Days Fighting round Richmond.
11. What were the three plans for reconstruction?
12. Narrate the impeachment of President Johnson.
13. What was the Centennial Exhibition?
14. Give the causes of the Spanish-American War.

Answer any ten questions.

**Specimen of Entrance Examination B Mathematics.**

1. Find the value of  $25 + 4 \times 3 - 6 - 6 + 9$ .
2. Find the product of  $703 \times 513$ .

3. Find the quotient by short division of  $4306 \div 7$ .
4. Find the quotient by long division of  $33943 \div 91$ .
5. What are the prime factors of 9170?
6. Find the least common multiple of 18, 27, 32.
7. Add  $2\frac{1}{3}$ ,  $3\frac{1}{8}$ , 5-24, 7-12.
8. Find the value of  $12\frac{1}{5} - 3\frac{2}{19}$ .
9. Multiply  $3\frac{2}{3}$  by  $2\frac{1}{2}$ .
10. What is a decimal fraction?
11. What is the effect of prefixing a decimal cipher to a decimal?
12. What is the effect of prefixing a decimal cipher to a decimal fraction?
13. Reduce  $.024\frac{2}{3}$  to a common fraction.
14. From .9 take .009.
15. Multiply 7.23 by .0156.
16. Divide .014274 by .061.
17. Write decimally fifty dollars, two dimes, four cents, three and one-half mills.
18. Multiply \$24.585 by .025.

## CONDENSED SCHEDULE OF COURSES.

Figures opposite subjects refer to number of hours per week.

### SUB-FRESHMAN B CLASS—ALL COURSES.

1st Term.	2nd Term.
English . . . . . 5	English . . . . . 5
History . . . . . 5	History . . . . . 5
Mathematics . . . . . 5	Science . . . . . 5
Latin . . . . . 5	Mathematics . . . . . 5
	Latin . . . . . 5

### SUB-FRESHMAN A CLASS—ALL COURSES.

1st Term.	2nd Term.
English . . . . . 5	English . . . . . 5
History . . . . . 5	History . . . . . 5
Mathematics . . . . . 5	Mathematics . . . . . 5
Phys.-Geog. . . . . 5	Latin . . . . . 5
Latin . . . . . 5	Elemen.-Phys. . . . . 2

### SHORT COURSES.

#### FRESHMAN CLASS.

##### B. Ped. Course.

First Term.	Second Term.
English . . . . . 5	English . . . . . 5
Mathematics . . . . . 5	Mathematics . . . . . 5
Latin . . . . . 5	History . . . . . 5
Science . . . . . 5	Science . . . . . 5
Pedagogy . . . . . 2	Latin . . . . . 5
History . . . . . 5	Pedagogy . . . . . 2

##### B. B. S. Course.

First Term.	Second Term.
English . . . . . 5	English . . . . . 5
Mathematics . . . . . 5	Mathematics . . . . . 5
History . . . . . 5	History . . . . . 5
Bookkeeping . . . . . 5	Bookkeeping . . . . . 5
Typewriting . . . . . 5	Typewriting . . . . . 5
Penmanship . . . . . 5	Penmanship . . . . . 5

##### Two Year Course in Agriculture.

First Term.	Second Term.
English . . . . . 5	Mathematics . . . . . 5
Mathematics . . . . . 5	English . . . . . 5
Science . . . . . 5	Science . . . . . 5
Elemen. Agriculture . . . . . 3	Elemen. Agriculture . . . . . 3
Drawing . . . . . 2	Drawing . . . . . 2

**SOPHOMORE CLASS.****B. Ped. Course.**

<b>First Term.</b>		<b>Second Term.</b>
English . . . . .	5	English . . . . .
Latin . . . . .	5	Latin . . . . .
Mathematics . . . . .	5	History . . . . .
History . . . . .	3	Mathematics . . . . .
Science . . . . .	5	Science . . . . .
Pedagogy . . . . .	2	Pedagogy . . . . .

**B. B. S. Course.**

<b>First Term.</b>		<b>Second Term.</b>
English . . . . .	5	English . . . . .
Mathematics . . . . .	5	Mathematics . . . . .
History . . . . .	3	History . . . . .
Bookkeeping . . . . .	5	Bookkeeping . . . . .
Shorthand . . . . .	5	Shorthand . . . . .
Typewriting . . . . .	5	Typewriting . . . . .

**Two Year Course in Agriculture. (Graduate Year).**

<b>First Term.</b>		<b>Second Term.</b>
Mathematics . . . . .	5	Mathematics . . . . .
Science . . . . .	5	Science . . . . .
Soils, Breeds and Breeding . . .	3	Soils, Breeds and Breeding . . .
Bookkeeping . . . . .	3	Geol., Manures, Fertilizers . . .
Geol., Manures, Fertilizers . . .	3	Stock judging, propagation
Stock judging, propagation and care of plants . . . . .	2	and care of plants . . . . .
Horticulture . . . . .	3	Horticulture . . . . .

**JUNIOR CLASS.****B. Ped Course. (Graduate Year).**

<b>First Term.</b>		<b>Second Term.</b>
English . . . . .	3	English . . . . .
Ethics . . . . .	2	Ethics . . . . .
Psychology . . . . .	3	Psychology . . . . .
Pedagogy . . . . .	2	Pedagogy . . . . .
Science . . . . .	5	Science . . . . .
Economics . . . . .	5	Economics . . . . .

**B. B. S. Course. (Graduate Year).**

<b>First Term.</b>		<b>Second Term.</b>
English . . . . .	3	English . . . . .
Banking . . . . .	5	Banking . . . . .
Shorthand . . . . .	5	Shorthand . . . . .
Commercial Law . . . . .	5	Commer. Geog. . . . .
Typewriting . . . . .	5	Typewriting . . . . .
Commercial Arith. . . . .	5	Commercial Arith. . . . .

## LONG COURSES.

## FRESHMAN CLASS.

## A. B. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
History	5	History	5

## B. S. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
History	5	History	5
Science	5	Science	5

## B. S. in Agr. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin or French	5	Latin or French	5
Elemen. Agriculture	3	Elemen. Agriculture	3
Science	5	Science	5

## E. M. Course.

First Term.		Second Term.	
English	5	English	5
Algebra	5	Algebra	5
Geometry	5	Trigonometry	5
Descrip. Geom.	2	Descrip. Geom.	2
Mech. Drawing	15	Descriptive Drawing	15

## SOPHOMORE CLASS.

## A. B. Course.

First Term.		Second Term.	
English	5	English	5
Mathematics	5	Mathematics	5
Latin	5	Latin	5
French	5	French	5
History	3	History	3
or			
Science	5		

**B. S. Course.**

<b>First Term.</b>		<b>Second Term.</b>	
English . . . . .	5	English . . . . .	5
Latin or French . . . . .	5	Latin or French . . . . .	5
Mathematics . . . . .	5	Mathematics . . . . .	5
Science . . . . .	5	Science . . . . .	5
History . . . . .	3	History . . . . .	3

**B. S. in Agr. Course.**

<b>First Term.</b>		<b>Second Term.</b>	
English . . . . .	5	English . . . . .	5
Mathematics . . . . .	5	Mathematics . . . . .	5
Latin or French . . . . .	5	Latin or French . . . . .	5
Soils, Breeds and Breeding . . . . .	3	Soils, Breeds and Breeding . . . . .	3
Science . . . . .	5	Science . . . . .	5
Surveying . . . . .	2	Surveying . . . . .	2

**E. M. Course.**

<b>First Term.</b>		<b>Second Term.</b>	
Crystallog and B. P. . . . .	1  5	Mineralogy . . . . .	2  6
Gen Chem. . . . .	5  5	Analytical Geom. . . . .	2
Eng. Comp . . . . .	1	Calculus . . . . .	3
Analytical Geom. . . . .	2	Qual. Analysis . . . . .	1  9
Calculus . . . . .	3	Physics . . . . .	5  2
Physics . . . . .	5  3	Gen. Chemistry . . . . .	5
		Lectures on Mine	
		Surveying . . . . .	2

**JUNIOR CLASS.****A. B. Course.**

<b>First Term.</b>		<b>Second Term.</b>	
English . . . . .	3	English . . . . .	3
Philosophy . . . . .	2	Philosophy . . . . .	2
Mathematics . . . . .	5	Mathematics . . . . .	5
Latin . . . . .	5	Latin . . . . .	5
French . . . . .	5	French . . . . .	5
Science . . . . .	5	Science . . . . .	5

**B. S. Course.**

<b>First Term.</b>		<b>Second Term.</b>	
English . . . . .	3	English . . . . .	3
Latin or French . . . . .	5	Philosophy . . . . .	2
Mathematics . . . . .	5	Mathematics . . . . .	5
Science . . . . .	5	Latin or French . . . . .	5
History . . . . .	2	History . . . . .	2
Philosophy . . . . .	2	Science . . . . .	5

**B. S. in Agr. Course.****First Term.****Second Term.**

Eng., Hist., French or Latin..	5	Eng., Hist., French or Latin..	5
Botany and Geology .....	3	Botany and Geology .....	3
Forages, Forage Crops .....	3	Grasses, Forage Crops .....	3
Forest., Econ., Entomol. ....	3	Hort., Econ., Entomol. ....	3
Propagation and care of Plants	2	Propagation and care of Plants	2
Stock Judging, etc. ....	2	Stock Judging, etc. ....	2
Soil Physics .....	2	Soil Physics .....	2

**E. M. Course.****First Term.****Second Term.**

Quant. Analysis .....	1	Quant. Analysis .....	1
Mechanics .....	3	Mechanics .....	3
Metallurgy of Lead .....	3	Metallurgy of Copper ..	3
Paleontology .....	4	Lithology .....	1
Graphics .....	2	Graphics, Drawing..	4

**SENIOR CLASS.****A. B. Course.****First Term.****Second Term.**

English .....	5	English .....	5
Philosophy .....	3	Philosophy .....	3
Science .....	3	Science .....	2
Latin .....	2	Latin .....	5
Economics .....	5	Economics .....	5

**B. S. Course.****First Term.****Second Term.**

English .....	5	English .....	5
Mathematics .....	5	Mathematics .....	5
Science .....	5	Science .....	5
Economics .....	5	Economics .....	5

**B. S. in Agr. Course.****First Term.****Second Term.**

Eng., Hist., French or Latin..	5	Eng., Hist., French or Latin..	5
Bookkeeping, Econom. ....	3	Bookkeeping, Econom. ....	3
Vegetable and Landscape Gardening .....	3	Vegetable and Landscape Gardening .....	3
Forest and Entomology .....	3	Forest and Entomology .....	3
Rural Eng., Manures and Fertilizers .....	2	Rural Eng., Manures and Fertilizers .....	2
Hist. of Agriculture .....	3	Hist. of Agriculture .....	3

**E. M. Course.**

<b>First Term.</b>		<b>Second Term.</b>	
Structural Drawings... . .	6	Thesis... . . . .	1
Structures . . . . .	2	Mining . . . . .	3
Econ. Geology. . . . .	3	Econ. Geology. . . . .	3
Mining . . . . .	3	Hydraulics . . . . .	3
Elect. Power Transmission	3	Elect. Power Transmission	3
Hydraulics . . . . .	3	Assaying, fire. . . . .	1
Technical Chem. . . . .	2	Metallurgy, gold and	
Cement Laboratory. . . . .	3	silver . . . . .	4

**ROLL OF STUDENTS 1905-'06.—Those marked 1, 2, 3, 4, 5, 6 belong respectively to Senior, Junior, Sophomore, Freshman, A and B**

Student's Name	Post Office	County	State	Occupation, Parents or Guardian		Residence
				Occupation	Parents or Guardian	
Alexander, D. C., 6	Atlanta	Fulton	Ga.	Merchant		City
Alford, H. P., 4	Columbia	Houston	Ala.	Farmer		Town
Anderson, L. J., 6	Dawsonville	Dawson	Ga.	Farmer		Country
Anderson, Pearle, 4	Dahlonega	Lumpkin	Ga.	Merchant		Town
Ash, H. M., 6	Loudsville	White	Ga.	Farmer		Country
Barnes, G. M., 1	Bullochville	Meriwether	S. D.	Farmer		Country
Baxter, M. L., 4	Pine Ridge	Shannon	Ga.	Gov. official		Town
Bell, Dover, 5	Roopville	Carroll	Ga.	Farmer		Country
Bennett, C. A., 5	Murrayville	Hall	Ga.	Farmer		Country
Bennett, Fannie, 6	Murrayville	Hall	Ga.	Farmer		Country
Bennett, Nora, 6	Murrayville	Hall	Ga.	Farmer		Country
Berrong, F. P., 5	Hiawassee	Towns	Ga.	Merchant		Town
Black, J. D., 5	Dawsonville	Dawson	Ga.	Merchant		Country
Bond, E. R., 4	Iva	Anderson	S. C.	Farmer		Country
Boyer, A. S., 4	Hawkinsville	Phlaski	Ga.	Merchant		Town
Bratton, John, Jr., 5	Atlanta	Fulton	Ga.	Editor		City
Broadb., H. C., 6	Campbell	Walton	Ga.	Farmer		Country
Broadb., W. E., 1	Campbell	Walton	Ga.	Farmer		Country
Brooksher, C. J., 5	Dahlonega	Lumpkin	Ga.	Merchant		Town
Brooksher, Carrie, 5	Dahlonega	Lumpkin	Ga.	Merchant		Town
Brown, R. A., 6	Atlanta	Fulton	Ga.	Merchant		City
Brown, Clarence, 4	Wadley	Jefferson	Ga.	Farmer		Country
Brownlee, C. H., 5	Plainville	Gordon	Ga.	Merchant		Town
Buchanan, C. T., 4	Jackson	Butts	Ga.	Merchant		Town
Burch, A. A., 3	Alamo	Montgomery	Ga.	Merchant		Town
Burgamy, E. F., 6	Macon	Bibb	Ga.	Machinist		City
Burgamy, Hardy, 6	Macon	Bibb	Ga.	Machinist		City
Burnett, Carl, 4	Tennille	Washington	Ga.	Farmer		Town
Burnett, C. D., 1	Tennille	Washington	Ga.	Farmer		Town
Brynum, G. N., 4	Pine Mountain	Rabun	Ga.	Farmer		Country

Student's Name	Post Office	County	State	Occupation, Parents or Guardian		Residence
				Country	Town	
Cates, A. L., 4	Yonley	Jenkins	Ga.	Farmer	Ga.	Country
Castleberry, V. W., 5	Dahlonega	Lumpkin	Ga.	Hotel keeper	Town	Town
Cavender, E. J., 4	Murrayville	Hall	Ga.	Doctor	Country	Country
Cavender, F. C., 4	Murrayville	Hall	Ga.	Doctor	Country	Country
Cavender, Nellie, 5	Murrayville	Hall	Ga.	Doctor	Country	Country
Cavender, T. M., 5	Murrayville	Hall	Ga.	Doctor	Country	Country
Chambers, J. R., 6	Waleska	Cherokee	Ga.	Agent	Town	Town
Charters, G. P., 3	Dahlonega	Lumpkin	Ga.	Lawyer	Town	Town
Cheney, J. F., 6	Ellaville	Schley	Ga.	Doctor	Town	Town
Clyatt, J. J., 5	Tifton	Tift	Ga.	Naval stores	Town	Town
Coleman, J. T., 4	Lyons	Toombs	Ga.	Merchant	Town	Town
Collins, W. M., 5	Savannah	Chatham	Ga.	Merchant	City	City
Cooper, H. O., 6	Monroe	Walton	Ga.	Farmer	Town	Town
Conch, T. O., 5	Honey Grove	Fannin	Tex.	Farmer	Country	Country
Cox, C. G., 4	Elijah	Gilmer	Ga.	Merchant	Town	Town
Craig, Mattie E., 6	Dahlonega	Lumpkin	Ga.	Lawyer	Town	Town
Crawford, Henry, 4	Lavonia	Franklin	Ga.	Farmer	Town	Town
Creel, J. E., 5	Riverdale	Clayton	Ga.	Farmer	Country	Country
Crenshaw, Emma, 6	New Bridge	Hall	Ga.	Merchant	Country	Country
Crowder, T. H., 1	Newnan	Coweta	Ga.	Farmer	City	City
Dancy, D. Y., Jr., 6	Savannah	Chatham	Ga.	Merchant	Town	Town
Daniel, W. J., 5	Eastman	Dodge	Ga.	Stock dealer	City	City
Dasher, A. L., Jr., 4	Macon	Bibb	Ga.	Lawyer	Country	Country
Davidson, A. R., 4	Gabbettsville	Troup	Ga.	Farmer	City	City
Davidson, E. W., 1	Atlanta	Fulton	Ga.	Merchant	City	City
Davidson, J. W., 4	Atlanta	Fulton	Ga.	Merchant	Country	Country
Davis, R. C., 5	LaGrange	Troup	Ga.	Farmer	City	City
DeWald, C. R., 6	Atlanta	Fulton	Ga.	Broker	Ga.	Ga.
Dodd, P. G., 4	Atlanta	Fulton	Ga.	Merchant	Hart	Merchant
Edwards, R. N., 6	Shoal Creek					

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Elkan, Julius, 4	Brunswick	Glynn	Ga.	Merchant	City
Elliott, Emma, 6	Dawsonville	Dawson	Ga.	Farmer	Country
Elliott, E. M., 5	Bright	Dawson	Ga.	Farmer	Country
Elliott, H. B., 6	Dawsonville	Dawson	Ga.	Farmer	Country
England, C. F., 5	Dahlonega	Lumpkin	Ga.	Clerk	Town
England, J. F., 5	Dahlonega	Lumpkin	Ga.	Clerk	Town
Estes, H. G., 5	Atlanta	Fulton	Ga.	Merchant	City
Evans, Lula, 5	Dahlonega	Lumpkin	Ga.	County official	Town
Evans, Mary, 6	Dahlonega	Lumpkin	Ga.	County official	Town
Evans, Sandie F., 6	Gillsville	Banks	Ga.	Farmer	Country
Findley, J. W., 3	Dahlonega	Lumpkin	Ga.	Farmer	Town
Floyd, J. S., 6	Montrose	Laurens	Ga.	Farmer	Country
Fry, Marion, 6	Dahlonega	Lumpkin	Ga.	Min. Eng.	Town
Fulwood, P. D., 6	Tifton	Tift	Ga.	Lawyer	Town
Gaillard, Wier S., 1	Dahlonega	Lumpkin	Ga.	Teacher	Town
Gaines, H. M., Jr., 5	Atlanta	Fulton	Ga.	R. R. cond.	City
Galloway, T. O., 4	Elberton	Elbert	Ga.	Farmer	Country
Gann, N. S., 6	Brunswick	Glynn	Ga.	Doctor	City
Garner, H. P., 5	Buford	Gwinnett	Ga.	Merchant	Town
Gaskins, Alvah, 2	Nashville	Berrien	Ga.	Farmer	Country
Gay, M. C., 4	Sharptop	Cherokee	Ga.	Farmer	Country
Gibson, F. E., 6	Riverdale	Clayton	Ga.	Teacher	Town
Glenn, Lillian, 5	Dahlonega	Lumpkin	Ga.	Teacher	Town
Glenn, Louise, 5	Dahlonega	Lumpkin	Ga.	Merchant	Town
Gould, J. W., 6	Gainesville	Hall	Ga.	Farmer	Country
Graham, G. A., 5	McRae	Telfair	Ga.	Farmer	Country
Grantham, E. L., 6	Douglas	Coffee	Ga.	Doctor	Town
Green, W. P., 6	Conyers	Rockdale	Ga.	Merchant	Town
Gurley, Crawford, 4	Dahlonega	Lumpkin	Ga.	Carpenter	Town
Gurley, Lula, 6	Dahlonega	Lumpkin	Ga.		

Student's Name	Post Office	County	State	Occupation, Parents or Guardian		Residence
				Occupation,	Parents or Guardian	
Harris, E. J., 4	Bethlehem	Walton	Ga.	Farmer	Farmer	Town
Head, N. C., 5	Dahlonega	Lumpkin	Ga.	Farmer	Farmer	Country
Henderson, F. H., 6	Chickamauga	Catoosa	Ga.	Farmer	Farmer	Country
Henderson, J. F., 4	Chickamauga	Catoosa	Ga.	Farmer	Farmer	Country
Hendrix, A. L., 5	Caddistown	Union	Ga.	Farmer	Farmer	Country
Hendrix, Vianna, 6	Dublin	Laurens	Ga.	Farmer	Doctor	Town
Hicks, A. G., 5	Dahlonega	Lumpkin	Ga.	Lumberman	Lumberman	Town
Hightower, Grace, 5	Senioraville	Gordon	Ga.	Farmer	Farmer	Country
Honk, S. C., Jr., 4		Sumter	S. C.	Jeweler	Jeweler	Town
Hoyt, W. O., 5	Riverdale	Clayton	Ga.	Farmer	Farmer	Town
Huie, I. L., 5	Riverdale	Clayton	Ga.	Farmer	Farmer	Town
Huie, R. G., 5	Chickamauga	Walker	Ga.	Farmer	Farmer	Country
Hunt, T. H., 4	Dahlonega	Lumpkin	Ga.	Merchant	Merchant	Town
Jackson, Maud, 4	Stockbridge	Rockdale	Ga.	Farmer	Farmer	Country
Jackson, W. L., 1	Porter Springs	Lumpkin	Ga.	Farmer	Farmer	Country
Jarrard, Lizzie, 6	Bluff Ridge	Fannin	Ga.	Farmer	Farmer	Country
Johnson, H. V., 4	Dahlonega	Lumpkin	Ga.	Miner	Miner	Town
Johnson, Mary, 5		Emannil	Ga.	Farmer	Farmer	Country
Kent, Horace, 5	Britts	Berrien	Ga.	Farmer	Farmer	Country
Knight, C. H., 6	Miltown	Oconee	Ga.	Farmer	Farmer	Country
Knox, J. T., 1	Westminster	McDuffee	Ga.	Farmer	Farmer	Country
Lazenby, E. K., 6	Thomson	Lumpkin	Ga.	Farmer	Farmer	Country
Lee, M. B., 5	Dahlonega	Sumter	Ga.	Doctor	Doctor	Town
Logan, J. E., 6	Americus	Laurens	Ga.	Merchant	Merchant	Country
Lord, J. H., Jr., 5	Dublin	Towns	Ga.	Farmer	Farmer	Country
Lansford, J. R., 3	Hiawassee	Whitfield	Ga.	Lawyer	Lawyer	Town
Maddox, W. B., 5	Dalton	Fulton	Ga.	Machinist	Machinist	City
Malsby, H. I., 6	Atlanta	Hall	Ga.	Merchant	Merchant	Town
Martin, E. A., 5	Lula	Hall	Ga.	Merchant	Merchant	Town
Martin, R. J., 6	Lula	Hall	Ga.	Merchant	Merchant	Town

Student's Name	Post Office	County	State	Parents or Guardian	Residence
Mason, H. W., 6	Decatur	DeKalb	Ga.	Merchant	Town
Matthews, L. A., Jr., 6	Dublin	Laurens	Ga.	Merchant	Town
McClelland, J. L., 6	Newman	Coweta	Ga.	Lawyer	Town
McClung, J. L., 4	Dawson	Terrell	Ga.	Farmer	Town
McClure, J. A., 6	Dawsonville	Dawson	Ga.	Merchant	Country
McDonald, H. A., 5	Atlanta	Fulton	Ga.	Merchant	Town
McDonald, W. B., 6	Pendergrass	Jackson	Ga.	Farmer	Country
McDonald, Rosa, 5	Dahlonega	Lumpkin	Ga.	Carpenter	Town
McDuffie, W. B., 6	McRae	Telfair	Ga.	Naval stores	Country
McGee, F. K., 5	Ocnels	White	Ga.	Teacher	Country
McGee, J. H., 6	Gainesville	Hall	Ga.	Teacher	Country
McGee, T. F., 6	Dahlonega	Lumpkin	Ga.	Merchant	Town
McGuire, Fannie, 4	Dahlonega	Lumpkin	Ga.	Merchant	Town
McKibben, G. C., 1	Elgin	Butts	Ga.	Farmer	Country
McLean, C. G., 6	Metter	Bullock	Ga.	Dentist	Town
McWilliams, R. M., 5	LaFayette	Walker	Ga.	Farmer	Country
Meaders, Louie, 6	Dahlonega	Lumpkin	Ga.	Mail cont.	Town
Miller, J. F., 6	Gaddistown	Union	Ga.	Farmer	Country
Miller, Jas. T., 5	Edgewood	DeKalb	Ga.	Merchant	Town
Miller, Nellie, J., 6	Giddistown	Union	Ga.	Farmer	Country
Miller, Orme, 6	Edgewood	DeKalb	Ga.	Merchant	Town
Mooney, Rex B., 4	Atlanta	Fulton	Ga.	R. R. cond.	City
Moore, Irene, 4	Dahlonega	Lumpkin	Ga.	Merchant	Town
Moore, R. V., 1	Dahlonega	Lumpkin	Ga.	Drummer	City
Morgan, Guy, 6	Atlanta	Fulton	Ga.	Drummer	City
Morgan, Hugh F., 6	Dahlonega	Lumpkin	Ga.	Lawyer	Town
Myers, Chas. A., 6	Dahlonega	Lumpkin	Ga.	Lawyer	Town
Myers, Lelia, 6	Dahlonega	Gwinnett	Ga.	Merchant	Town
Myers, Z. D., 6	Norcross	Harris	Ga.	Merchant	Town
Neal, Harry, 5	Shiloh		Ga.		Town

Student's Name	Post Office	County	State	Occupation, Parents or Guardian	Residence
Nolley, Geo. W., 6	Atlanta	Fulton	Ga.	Cashier	City
Oliver, R. E., 6	Savannah	Chatham	Ga.	Farmer	Country
Parrish, Bennie, 6	Metter	Bullock	Ga.	Farmer	Town
Patterson, J. B., 6	Atlanta	Fulton	Ga.	R. R. cond.	City
Pfeffer, Fred, 4	Gainesville	Hall	Ga.	Brickmaker	City
Phillips, B. H., 4	Pierceville	Fannin	Ga.	Merchant	Country
Phillips, C. S., 4	Pierceville	Fannin	Ga.	Merchant	Country
Phillips, J. E., 1	Pierceville	Fannin	Ga.	Merchant	Country
Pierce, J. B., 5	Murrayville	Hall	Ga.	Farmer	Country
Porter, P. C., 6	Silver Creek	Floyd	Ga.	Merchant	Country
Powell, J. J., 5	Gainesville	Hall	Ga.	Merchant	Country
Ray, Bruce, 3	Newport	Fannin	Ga.	Farmer	Country
Ray, Clark, 5	Newport	Fannin	Ga.	Farmer	Country
Ray, H. L., 4	Norcross	Gwinnett	Ga.	Manufacturer	Town
Reynolds, W. W., Jr., 6	Atlanta	Fulton	Ga.	Painter	City
Rice, G. E., 5	Flowery Branch	Forsyth	Ga.	Farmer	Country
Roberts, W. A., 6	Greensboro	Hale	Ala.	Drummer	Town
Sargent, J. B., 5	Stag	Lumpkin	Ga.	Farmer	Country
Sargent, J. L., 5	Stag	Lumpkin	Ga.	Farmer	Country
Satterfield, Belle, 6	Dahlonega	Lumpkin	Ga.	Farmer	Country
Satterfield, Gertrude, 6	Dahlonega	Lumpkin	Ga.	Farmer	Country
Saunders, J. M., 6	Woodbury	Meriwether	Cherokee	Teacher	Town
Scott, C. G., 5	Canton	Walker	Ga.	Farmer	Country
Shahan, Craig, 5	Villianow	Walker	Ga.	Merchant	Country
Shahan, Henry, 5	Villianow	Jackson	Ga.	Preacher	City
Sheild, Lizzie, 3	Jefferson	Fulton	Ga.	Cashier	City
Sheldon, E. W., 6	Atlanta	Hall	Ga.	Farmer	Country
Simmons, Y. J., 1	Gainesville	Fulton	Ga.	Merchant	City
Simon, E. H., 5	Atlanta	Fulton	Ga.	Merchant	Country
Simon, H. H., 4	Gainesville	Fulton	Ga.	Merchant	City

Student's Name	Post Office	County	State	Occupation, Parents or Guardian		Residence
				Occupation,	Parents or Guardian	
Sims, J. B., 6	Statham	Oconee	Ga.	Farmer	Farmer	Country
Sims, W. A., 4	Statham	Oconee	Ga.	Farmer	Farmer	Country
Sims, Wm., Alton, 6	Atlanta	Oconee	Ga.	Merchant	Merchant	City
Smiley, J. G., 4	Plainville	Fulton	Ga.	Superintendent	Superintendent	Town
Smith, E. R., 5	Midville	Gordon	Ga.	Farmer	Farmer	Country
Smith, F. O. F., 5	Tennille	Emmanuel	Ga.	Farmer	Farmer	Country
Smith, R. D., 5	Gainesville	Washington	Ga.	Farmer	Farmer	Country
Smith, W. C., 6	Gainesville	Hall	Ga.	Merchant	Merchant	Town
Speer, Gwyn, 6	Atlanta	Hall	Ga.	Drummer	Drummer	City
Speer, Howard, 6	Atlanta	Fulton	Ga.	Drummer	Drummer	City
Stanton, Frances, 5	Dahlonega	Fulton	Ga.	Merchant	Merchant	Town
Stearns, R. E., 3	Talking Rock	Lumpkin	Ga.	Doctor	Doctor	Town
Stephens, M. L., 4	Franklin	Pickens	Ga.	Farmer	Farmer	Country
Stevens, R. L., 6	Cornelia	Heard	Ga.	State officer	State officer	Country
Strickland, G. M., 1	Dahlonega	Habersham	Ga.	Merchant	Merchant	Town
Tanner, E. H., 6	Douglas	Lumpkin	Ga.	Turp. opr.	Turp. opr.	Town
Tatum, W. H., 4	Nelson	Coffee	Ga.	Farmer	Farmer	Country
Taylor, Pearl, 6	Dawsonville	Pickens	Ga.	Farmer	Farmer	Town
Thaxton, G. C., 4	Jackson	Dawson	Ga.	Blacksmith	Blacksmith	Town
Thomas, May, 6	Dahlonega	Butts	Ga.	Merchant	Merchant	Town
Timmons, W. W., Jr., 6	Tifton	Lumpkin	Ga.	Naval stores	Naval stores	Town
Tucker, W. R., 6	Dawsonville	Tift	Ga.	Farmer	Farmer	Town
Underwood, J. F., 6	Maysville	Dawson	Ga.	Doctor	Doctor	Town
Vaughn, Paul W., 5	Dahlonega	Banks	Ga.	Carpenter	Carpenter	Country
Veal, G. C., 6	Roopville	Carroll	Ga.	Merchant	Merchant	Town
Veal, J. A., 6	Carrollton	Carroll	Ga.	Farmer	Farmer	Country
Whelchel, H. E., 3	Price	Hall	Ga.	Farmer	Farmer	Town
Whitelock, R. F., 6	Price	Hall	Ga.	Cattle dealer	Cattle dealer	Town
Whitley, A. B., 4	Lithonia	DeKalb	Ga.	Merchant	Merchant	Town
Williams, M. C., 5	Dahlonega	Lumpkin	Ga.	Manufacturer	Manufacturer	City
Willingham, E. D., 4	Atlanta	Fulton	Ga.	Drummer	Drummer	Town
Wingfield, J. G., 6	Marietta	Cobb	Ga.			

**SUMMARY.**

Total Attendance for the Year .....	210
States Represented .....	5
Counties of Georgia Represented .....	59
Farmers' Children Represented .....	82
Merchants' Children Represented .....	57
Lawyers' Children Represented .....	8
Doctors' Children Represented .....	11
Teachers' Children Represented .....	6
Other Avocations' Children Represented .....	46
Those Living in the Country .....	92
Those Living in the Towns .....	89
Those Living in the Cities .....	29
Male Students .....	180
Female Students .....	30

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Bates, M. G. Coffee, R. N. Collier, G. W. Cravsselle, W. F. Earl, E. B.* Gray, J. R.	Atlanta, Tex. Texas. Atlanta, Ga. Atlanta, Ga. Atlanta, Ga. Atlanta, Ga.	Teacher Lawyer Merchant Journalist Teacher Journalist Lawyer Lawyer	1875-1878 1875-1878 1875-1878 1875-1878 1875-1878 1876-1878	Murray Co. Gordon Co. Fulton Co. Fulton Co. Floyd Co. Bartow Co.	1878 1878 1878 1878 1878 1878	Was Supt. of School at Ft. Worth Prof. in N. G. A. C. several years. Editor of Atlanta Journal.
Harris, W. D. Lewis, Miss Willie* (Mrs. Littlefield)	Fort Worth, Tex.	Judge.	1875-1878 1873-1878	Murray Co. Lumpkin Co.	1878 1878	
Starr, O. N. Starr, Trammell*	Calhoun, Ga. Calhoun, Ga.	Lawyer Lawyer	1875-1878 1875-1878 1878-1879	Gordon Co. Gordon Co.	1878 1878 1879	Senator. Senator.
Abernathy, J. H.		Teacher				
Henley, J. W. Chapman, Miss Lizzie	Jasper county. Cuba, Ga.	Merchant Lawyer	1875-1879	Murray Co.	1879	County School Commissioner.
Gaillard, J. J. (Mrs. W. F. Crusselle)	Macon, Ga. Atlanta, Ga.	Teacher Civil Eng.	1874-1879 1873-1880 1873-1880	Lumpkin Co. Spalding Co. Lumpkin Co.	1879 1879 1880	
Lewis, Mary R.		Teacher				
Wilson, H. E. Wilson, W. S. Watt, C. E. Power, C. G. Davis, Sallie G.*	Savannah, Ga. Savannah, Ga. Camilla, Ga. Culloden, Ga. Early, S. C. Ark.	Lawyer Physician Farmer Teacher	1877-1880 1877-1880 1877-1881 1878-1881 1873-1881 1880-1881 1873-1881	Effingham Co. Effingham Co. Forest, Ala. Cobb Co. Lumpkin Co. Carroll Co. Lumpkin Co.	1880 1880 1881 1881 1881 1881 1881	(high schools. Prof. in N. G. A. C. and several Won Stevens' Medal in Military. Stevens' Medal for best record.
McDaniel, Mrs. Fannie Hutchins, Mrs. Lizzie Henderson, Calvin Stow, M. N. Peeples, L. C. Mann, W. E.	Dawsonville, Ga. Dawson county. Ringgold, Ga.	Teacher Physician Lawyer	1880-1882 1876-1882 1880-1882 1880-1882	Paulding Co. Lumpkin Co. Terrell Co. Floyd Co.	1882 1882 1882 1882	Mayor of Dawsonville, Ga. Senator.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Napier, G. M. Chapman, F. T.*	Monroe, Ga.	Lawyer	1880-1882 1874-1883 1880-1883	Walker Co., Lumpkin Co. Franklin Co.	1882 1883 1883	Journalist; Judge Advocate General and Orator.
Fricks, N. A. Jones, W. F. Key, W. H. Stanton, M. W. Willis, G. T.*	Elberton, Ga. Alabama, El Paso, Texas, Dahlonega, Ga., Canton, Ga. Cedartown, Ga. Dalton, Ga. Chattanooga, Tenn. Rome, Ga. Wills, Miss Mamie (Mrs. John Ross)	Teacher Lawyer Lawyer Clerk Teacher Lawyer Journalist Lawyer Merchant Dentist	1881-1883 1880-1883 1881-1883 1880-1884 1880-1884 1880-1884 1881-1884 1882-1884 1880-1884	Troup Co. Banks Co. Gordon Co. Jackson Co. Dahlonega, Ga. Talking Rock, Ga. Talking Rock, Ga. Spring Place, Ga. Chattanooga, Tenn. Jefferson Co.	1883 1883 1883 1883 1884 1884 1884 1884 1884 1884	Once Member House of Represen- tatives. Lt. Col. in Georgia Militia.
Boyd, J. W. Coleman, E. W. Coleman, W. S. Martin, W. C. Wardlaw, J. A. Wills, A. J.	Canton, Ga. Cedartown, Ga. Dalton, Ga. Chattanooga, Tenn. Rome, Ga.	Lawyer Journalist Lawyer Merchant Dentist	1880-1884 1880-1884 1881-1884 1882-1884 1880-1884	Dahlonega, Ga. Talking Rock, Ga. Spring Place, Ga. Chattanooga, Tenn. Jefferson Co.	1884 1884 1884 1884 1884	Prof. Young Harris, Now Prof. of Math. at N. G. A. C. Ed. Cedartown Standard and Pres. Ga. Weekly Press Asso.
Cavendar, J. M. Cruselle, G. W. Lively, M. L. Cartledge, S. J. Canning, N. G. Cato, E. T. Cato, J. C. Fisher, L. O. Standard, C. T. Stribbling, J. P. Craig, D. S. Nesbit, K. A. Phillips, E. L. Phillips, J. H. Fletcher, H. M.	Chattanooga, Tenn. Atlanta, Ga. Anderson, S. C. Ozark, Ala. Fairburn, Ga. Griffin, Ga. Milner, Ga.	Preacher Lawyer Teacher Lawyer Lawyer Farmer Lawyer Lawyer Farmer Physician Lawyer	1883-1885 1884-1885 1882-1885 1883-1886 1883-1886 1881-1886 1882-1885 1883-1886 1883-1886 1883-1886 1884-1885 1882-1887 1884-1887 1884-1888	Ringgold, Ga. Atlanta, Ga. Norcross, Ga. Bold Springs, Ga. Flower Branch, Ga. Glenville, Ala. Alpharetta, Ga. Marietta, Ga. Richland, S. C. Walhalla, S. C. Fairburn, Ga. Griffin, Ga. Griffin, Ga. Jackson, Ga.	1885 1885 1885 1885 1886 1886 1886 1886 1886 1886 1887 1887 1887 1888	Pastor Presby'tn Church, Anderson, S. C.

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Morris, J. H.	Westminster, S. C.	Teacher	1884-1888	Griffin, Ga.	1888	
Shelton, W. A.		Physician	1886-1888	Westminster, S. C.	1888	
Swanson, W. T.		Teacher	1888	Blairsville, Ga.	1888	
Woodward, J. C.	College Park, Ga.	Teacher	1881-1888	Jackson, Ga.	1888	
Mincey, W. H.	Woolstock, Ga.	Teacher	1884-1889	Two Run, Ga.	1889	
Shelton, W. H.	Athens, Ga.	Broker	1885-1889	Jay, Ga.	1889	
Stribling, T. M.	Perry, Mo.	Preacher	1886-1889	Richland, S. C.	1889	
Almand, E. H.	Nashville, Tenn.	Merchant	1886-1889	Conyers, Ga.	1889	Maj. U. S. A. V. in Spanish War.
Chamblee, W. R.*	Dahlonega, Ga.	Lawyer	1888-1890	Pendergrass, Ga.	1890	Lt. U. S. V. Spanish Am. War.
Vickery, E. B.		Teacher	1887-1890	Hartwell, Ga.	1890	Prof. in N. G. A. C. since 1890.
Lawton, Mrs. E. P., nee			1887-1891	Dahlonega, Ga.	1891	Wife Capt. E. P. Lawton, U. S. A.
Miss M. L. Basinger						
Gilbert, T. H.		Preacher	1886-1891	Pendergrass, Ga.	1891	
Almand, J. M.	Decatur, Ga.	Merchant	1887-1891	Conyers, Ga.	1891	
Cannichael, H. B.	Eastman, Ga.	Physician	1887-1891	Jackson, Ga.	1891	
Clark, J. B.	Dahlonega, Ga.	Physician	1887-1891	Eastman, Ga.	1891	
Head, M. H.	Savannah, Ga.	Accountant	1887-1891	Dahlonega, Ga.	1891	
Harris, B. C.	West End, Ga.	Dairyman	1887-1891	Gainesville, Ga.	1891	
McMurry, R. A.	Watkinsville, Ga.	Farmer	1887-1891	Gainesville, Ga.	1891	
Meaders, A. W.	Griffin, Ga.	Physician	1887-1891	Griffin, Ga.	1891	
Phillips, T. J.		Teacher	1887-1891	Richland, Ga.	1891	
Dendy, W. E.	Rome, Ga.	Lawyer	1887-1891	Rome, Ga.	1891	
Fonche, J. S.	Dahlonega, Ga.	Teacher	1887-1891	Dahlonega, Ga.	1891	
Whichel, Miss Louise	Dahlonega, Ga.	Teacher	1887-1891	Dahlonega, Ga.	1891	
Worley, Miss Anna Lee	Carnesville, Ga.	Teacher	1889-1892	Mt. Airy, Ga.	1892	C. S. C. Franklin county.
Cobb, W. H.*		Teacher	1887-1892	Dahlonega, Ga.	1892	
Allen, J. P. B.						
Rivals, Jas. W.	Savannah, Ga.	Merchant	1889-1892	Savannah, Ga.	1892	
Wood, Geo. B.	Savannah, Ga.	Merchant	1888-1892	Bawsonville, Ga.	1892	
Johnson, Miss Emily	Texarkana, Tex.		1891-1892	Marietta, Ga.	1892	Teacher in Savannah.

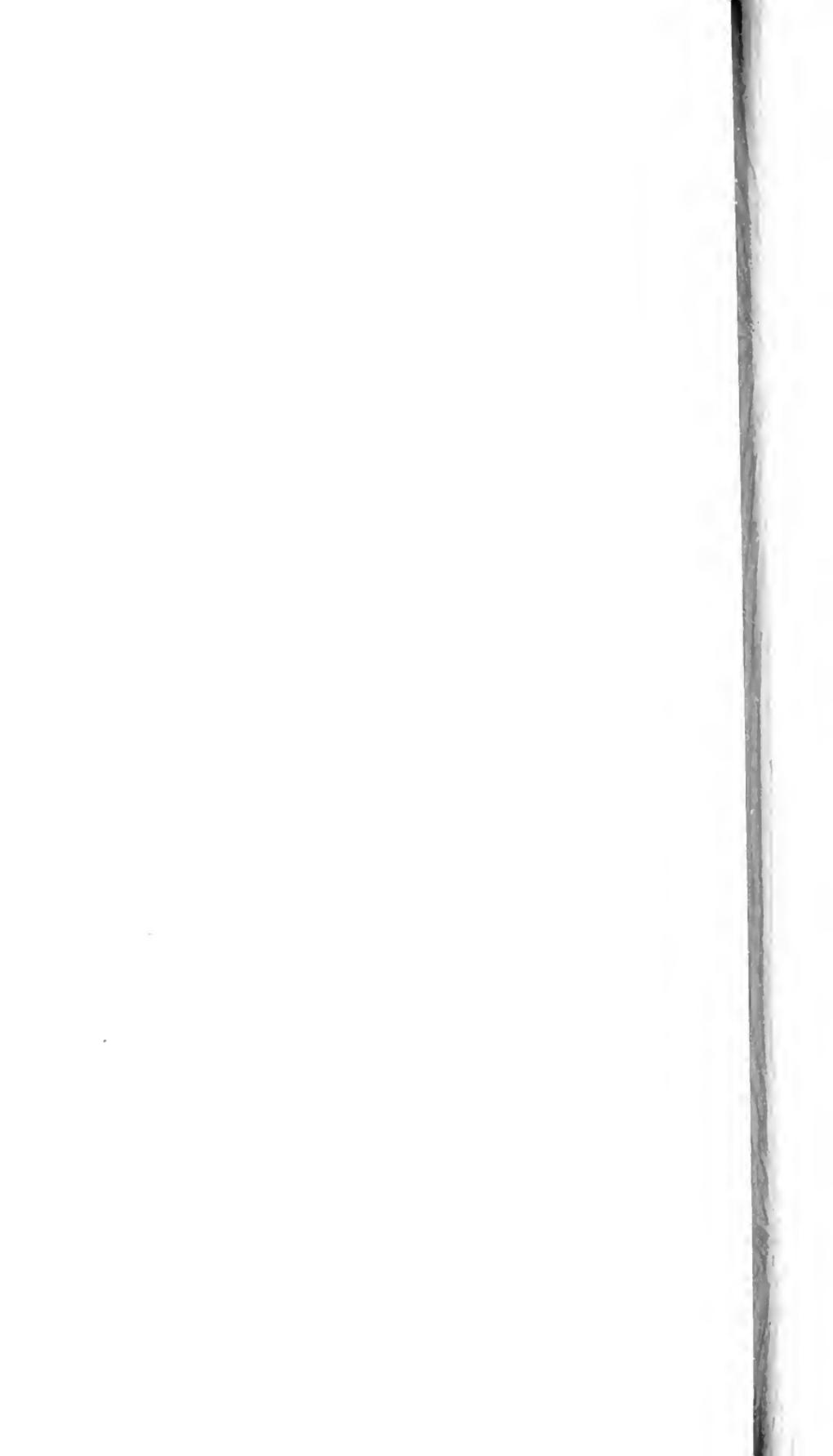
Name	Occupation	Year in College	Residence When in College	Grad.	Remarks
McMillan, W. B.	Farmer	1890-1893	Harwell, Ga.	1893	
Pinner, J. M.	Teacher	1889-1893	Two Run, Ga.	1894	
Stevens, W. H.	Doctor	1889-1893	Stewart, S. C.	1894	C. S. C. Rockdale county
Pickens, S. C.	Teacher	1892-1895	Conyers, Ga.	1895	
Hannock, A. D.	Teacher	1895-1895	Clarksville, Ga.	1895	
Kimsey, W. L.	U. S. Mail Service	1891-1895	Salem, S. C.	1895	
Alexander, D. H.	Teacher	1890-1895	Dahlonega, Ga.	1895	
Roberts, Miss Alice*	Merchant	1891-1895	Loudonville, Ga.	1895	
Seaholt, T. W.	Pleasant Retreat,	1893-1895	Cartecay, Ga.	1895	
Petit, Geo. F.	Lawyer	1892-1895	Rockpile, Ga.	1895	
Bryson, R. M.	Preacher	1894-1896	Center Side, Ga.	1896	
Kyle, J. W.	Merchant	1892-1896	Dahlonega, Ga.	1896	
Meadors, F. M.	Farmer	1893-1896	Apple Valley, Ga.	1896	
Nix, R. C.	Ins. Agt.	1892-1896	Atlanta, Ga.	1896	
Palmion, Oscar	Farmer	1893-1896	Louisville, Ga.	1896	
Sinquefield, W. R.	Lawyer	1892-1897	Clarksville, Ga.	1897	
Palmer, W. P.	Lawyer	1894-1898	Adrian, Ga.	1898	Wife of Dr. A. M. Ronnike,
Roundtree, Mrs. A. M. nee Miss Rogers	Gainesville, Ga.	1895-1899	Murrayville, Ga.	1899	
Parks, B. G.	Lawyer	1897-1899	Grangerville, Ga.	1899	
Johnson, R. L.	Teacher	1898-1899	Louisville, Ga.	1899	
Clark, E. M.	Bookkpr.	1896-1900	Porter Springs, Ga.	1900	
Cain, A. W.	Teacher	1896-1900	Dahlonega, Ga.	1900	
Curley, H. D., Jr.	Supt. Telph.	1898-1900	Blackwells', Ga.	1900	
McClesky, F. H.	Lumberman	1896-1900	Cochran, Ga.	1900	
Peacock, H. H.	Atlanta, Ga.	1896-1900	Augusta, Ga.	1900	
Smith, W. M.	Rhine, Ga.	1897-1900	Silver City, Ga.	1900	
Harris, C. L.	Atlanta, Ga.	1896-1900	Dahlonega, Ga.	1900	
Gailhard, Miss Fannie	Lavonia, Ga.	1897-1900	Patillo, Ga.	1900	
McKibben, T. C.	Dahlonega, Ga.				

Name	Present Address	Occupation	When in College	Grad.	Remarks
Blount, R. M.	Dahlonega, Ga.		1898-1900 Waynesboro, Ga.	1900	
Crissom, Maggie			1896-1900 Dahlonega, Ga.	1900	
McKee, W. J.			1898-1900 McKee, Ga.	1900	
Sosebee, R. L.*	College Park, Ga.	Teacher	1898-1900 Nelson, Ga.	1900	
West, J. W.	U. S. Army.	Soldier	1897-1901 Vera, Ga.	1901	
Harris, S. A.			1897-1901 Silver City, Ga.	1901	
Whitel, A. J.		Physician	1897-1901 Dongherty, Ga.	1901	
Shultz, Carl	Wahoo, Ga.	Teacher	1897-1901 Royston, Ga.	1901	
Sosebee, L. P.		Civil Eng.	1898-1901 Nelson, Ga.	1901	
McGrath, M. H.			1899-1901 Nelson, Ga.	1901	
Scott, W. W.	Atlanta, Ga.	Clerk	1899-1901 Canton, Ga.	1901	
Farrar, W. T.			1899-1901 Ingleside, Ga.	1901	
Byers, J. H.	Price, Ga.	Farmer	1898-1902 Price, Ga.	1902	
Horton, Paul Jones	Winder, Ga.		1899-1902 Winder, Ga.	1902	
Byers, Augusta	Price, Ga.	Ex. Messngr	1898-1902 Price, Ga.	1902	
Gaillard, Miss Marie	Ellijay, Ga.	Teacher	1898-1902 Dahlonega, Ga.	1902	
Barnes, J. C.	Dahlonega, Ga.	Teacher	1899-1902 Stinson, Ga.	1902	
McKea, Miss Eva	McKee, Ga.	Teacher	1898-1902 McKee, Ga.	1902	
Whitehead, A. C. Mrs.	University, N. C.	Teacher	1899-1902 Eastman, Ga.	1902	
Scyles, J. H.			1901-1902 Suwanee, Ga.	1902	
Byers, J. R.	Price, Ga.	Cashier			
Grant, N. W.	U. S. Navy.	Farmer	1899-1903 Price, Ga.	1903	
Berry, J. R.	Jefferson, Ga.	Soldier	1899-1903 Clarksville, Ga.	1903	
Byers, Miss Cora	Price, Ga.	Teacher	1900-1903 Griffin, Ga.	1903	
Elka, Louis	Brunswick, Ga.	Merchant	1899-1903 Price, Ga.	1903	
Maddox, C. E.			1900-1903 Brunswick, Ga.	1903	
Gaillard, Miss Sallie			1900-1903 Freemansville, Ga.	1903	
Fortson, L. G.		Teacher	1900-1904 Dahlonega, Ga.	1904	
Henley, J. R.		Teacher	1901-1904 Elberton, Ga.	1904	
Gortatowsky, J. D.		Soldier	1900-1904 Jasper, Ga.	1904	
			1900-1904 Albany, Ga.	1904	
			Journalist		
Present member Georgia Legislature.					

Name	Present Address	Occupation	Year in College	Residence When in College	Grad.	Remarks
Broadach, J. F.	Kingman, Ariz.	Teacher	1900-1904	Compton, Ga.	1904	
Stewart, J. C.	Dix, Ga.	Teacher	1900-1904	Lindville, Ga.	1904	
Bowen, Urban	Midriver, Ga.	Teacher	1900-1904	Tennatee, Ga.	1904	
Chappel, A. H.		Farmer	1901-1904	Chappel, Ga.	1904	
Drew, W. D.		Bookpr.	1901-1904	Midville, Ga.	1904	
Holden, Lester		Business	1901-1904	Jonston, Ga.	1904	
Steed, O. W.	Atlanta, Ga.		1900-1904	Spring Place, Ga.	1904	
Jelks, G. J.	Cochran, Ga.	Farmer	1902-1904	Hawkinsville, Ga.	1904	
Peacock, W. H.	Culloden, Ga.	Farmer	1902-1904	Cochran, Ga.	1904	
Rutherford, Robert	Manilla, P. I.	Teacher	1901-1904	Culloden, Ga.	1904	
Byers, Rufus	Price, Ga.	Teacher	1899-1905	Price, Ga.		
Welchel, Miss Ruth	Savannah, Ga.	Teacher	1900-1905	Price, Ga.		
Wilson, F. C.	Lavonia, Ga.	Dentist	1881-1885	Savannah, Ga.		
Lumsford, W. P.	Sharptop, Ga.	Teacher	1901-1904	Suches, Ga.		
Gay, B. F.	Greely, Ga.	Teacher	1902-1905	Sharptop, Ga.		
Smith, R. E. L.	Dahlonega, Ga.	Teacher	1901-1905	Greely, Ga.		
Ash, W. L.	Monroe, Ga.	Teacher	1901-1905	Suches, Ga.		
Breedlove, W. M.	College Park, Ga.	Merchant	1903-1905	Monroe, Ga.		
Castleberry, L. R.	Dalton, Ga.	Bookpr.	1903-1905	Dahlonega, Ga.		
Harris, C. M.	Decatur, Ga.	Farmer	1903-1905	Dalton, Ga.		
Matthews, W. O.	McKee, Ga.	Farmer	1903-1905	Decatur, Ga.		
McKee, H. D.	Monroe, Ga.	Farmer	1902-1905	McKee, Ga.		
Aycock, J. T.	Mihner, Ga.	Farmer	1902-1905	Monroe, Ga.		
Patterson, E. P.	Gov. official		1901-1905	Mihner, Ga.		

\*Deceased.





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